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US1A-US1M		ES3AB-ES3JB	
UF1A-UF1M		ES3A-ES3J	
US2AA-US2MA		1E1-1E9	
UF2A-UF2M		ER100L-ER106L	
US2A-US2M		SF11L-SF19L	
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US3AB-US3MB		ER101-ER106	
UF3A-UF3M		SF21-SF29	
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US3A-US3M		SF31-SF36	
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HER501-HER508		SF31G-SF36G	
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HER601-HER608		ES3A-ES3G	
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HER101G-HER108G		SF11L-SF19L	
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HER201G-HER208G		ER101-ER106	
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B220A-B260A
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SS22-SS210
SK22-SK210
B220-B260
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SS32B-SS310B
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SR120S-SR1A0S
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SB220-SB2A0
SB320-SB3A0
SB520-SB560
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SR320-SR3A0
SR520-SR5A0
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SBL830-SBL8100
SBL1030-SBL10100
SBL1630-SBL16100
MBR830-MBR8100
MBR1030-MBR10100
MBR1630-MBR16100
SBLF530-SBLF5100
SBLF830-SBLF8100
SBLF1030-SBLF10100
SBLF1630-SBLF16100
MBRF830-MBRF8100
MBRF1030-MBRF10100
MBRF1630-MBRF16100
SBLB530-SBLB5100
SBLB830-SBLB8100
SBLB1030-SBLB10100
SBLB1630-SBLB16100
MBRB830-MBRB8100
MBRB1030-MBRB10100
MBRB1630-MBRB16100
SBL1030CT-SBL10100CT
SBL1630CT-SBL16100CT
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SBL3030CT-SBL30100CT
MBR1030CT-MBR10100CT
MBR1530CT-MBR15100CT
MBR2030CT-MBR20100CT
MBR2530CT-MBR25100CT
MBR3030CT-MBR30100CT
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SBLF2530CT-SBLF25100CT
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 SBLB3030CT-SBLB30100CT
 MBRB1030CT-MBRB10100CT
 MBRB1530CT-MBRB15100CT
 MBRB1635CT-MBRB16100CT
 MBRB2030CT-MBRB20100CT
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 SBL2030PT-SBL20100PT
 SBL3030PT-SBL30100PT
 SBL4030PT-SBL40100PT
 SBL6030PT-SBL60100PT
 MBR1635PT-MBR16100PT
 MBR2030PT-MBR20100PT
 MBR3030PT-MBR30100PT
 MBR4030PT-MBR40100PT
 MBR6030PT-MBR60100PT

SMALL SIGNAL

SWITCHING DIODES56

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 LL4150
 LL4151
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 LL4448
 BAV100-BAV103
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 1N4151
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SMALL SIGNAL

SWITCHING DIODES56

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 1SS131
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ZMM5221B---ZMM5257B		DB101-DB107	
ZMM55---SERIES		DF005S-DF10S	
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		DB201-DB207	
		EDB101S-EDB106S	
		EDB101-EDB106	
		FDB101S-FDB107S	
		FDB101-FDB107	
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SAC5.0---SAC170A		RS201-RS207	
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BZW06---SERIES		GBL005-GBL10	
1.5KE---SERIES		KBJ4A-KBJ4M	
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		RS601-RS607	
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SYMBOLS

C_j		Junction Capacitance
η_v		Rectification Efficiency
I_F		DC Forward Current
$I_{(AV)}$	.....	Average Forward Rectified Current
I_D	.....	Stand-off Reverse Leakage Current
I_{FSM}	.....	Peak Forward Surge Current
I_{TSM}	.....	Non Repetitive Surge Peak on-state Current
I_{DM}	.....	Maximum Reverse Leakage Current
I_{FRM}	.....	Repetitive Peak Forward Current
I_H	.....	Holding Current
I_O	.....	Mean Forward Current
I_R	.....	Reverse Leakage Current
I_{rr}	.....	Reverse Recovery Current
I_{PPM}	.....	Maximum Peak Impulse Current
I_{RM}	.....	Maximum Peak Reverse Current
$I_{RM(REC)}$	.....	Maximum Peak Reverse Recovery Current
I_{RSM}	.....	Maximum Non-repetitive Reverse Peak Current
I_T	.....	On-state Test Current
I^2T	.....	Rating for Fusing
$P_{M(AV)}$	.....	Maximum Steady State Power Dissipation
P_{pm}	.....	Peak Pulse Power Dissipation
P_{tot}	.....	Total Power Dissipation
Q_{rr}	.....	Recovered Charge
$R_{\theta JA}$	.....	Thermal Resistance(Junction to Ambient)
$R_{\theta JC}$	.....	Thermal Resistance(Junction to Case)
$R_{\theta JL}$	.....	Thermal Resistance(Junction to Lead)
T_A	.....	Ambient Temperature
T_C	.....	Case Temperature
T_d	.....	Time Duration
T_f	.....	Fall Time
T_j	.....	Junction Temperature

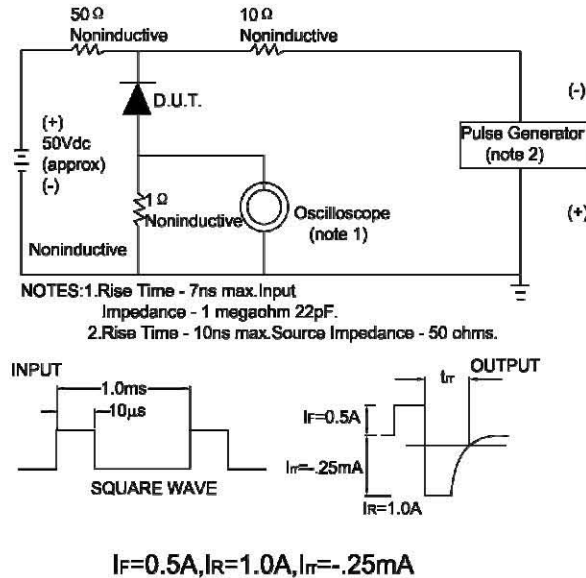
SYMBOLS

T_L	.....	Lead Temperature
t_{fr}	.....	Forward Recovery Time
t_r	.....	Rise Time
t_{rr}	.....	Reverse Recovery Time
T_{STG}	.....	Storage Temperature
V_{BO}	.....	Breakover Voltage
$V_{(BR)}$	.....	Reverse Breakdown Voltage
V_F	.....	Instantaneous Forward Voltage
V_{FR}	.....	Forward Recovery Voltage
V_{DC}, V_R	.....	DC Reverse Voltage
V_{RM}	.....	Maximum Recurrent Peak Reverse Voltage
V_{RMS}	.....	RMS Input Voltage
V_{RRM}	.....	Peak Repetitive Reverse Voltage
V_{WM}	.....	Working Peak Reverse Voltage
V_C	.....	Clamping Voltage
V_{WM}	.....	Working Stand-off Voltage
V_Z	.....	Zener Voltage
Z_Z	.....	Dynamic Zener Impedance
αV_F	.....	Temperature Coefficient of Forward Voltage
αV_Z	.....	Temperature Coefficient of Zener Voltage
$\alpha V_{(BR)}$	.....	Maximum Reverse Voltage Temperature Coefficient
V_{RSM}	.....	Maximum Non-Repetitive Peak Reverse Voltage
V_{TM}	.....	Peak On-state Voltage
I_{TRM}	.....	Repetitive Peak On-state Current
Z_K	.....	Dynamic Impedance
T_T	.....	Temperature of the terminals (SMD)
T_P	.....	Pulse Duration
N_M	.....	Torque for mounting
V_{ISO}	.....	Isolation Voltage
Duty Cycle (Ratio of pulse duration of full cycle)		

NO	TEST ITEM	TEST CONDITIONS	DURATION	REFERENCED DOCUMENT
1	SOLDER ABILITY	230±5℃	5 SEC	MIL-STD-202 METHOD 208
2	LEAD PULL	2KG IN AXIAL LEAD DIRECTION	10 SEC	MIL-STD-750 METHOD-2036
3	LEAD FATIGUE	90-DEGREE BEND WITH 0.5KG WEIGHT ATTACHED TO LEAD	3 TIMES	MIL-STD-750 METHOD-2036
4	OPERATING LIFE	RATED CURRENT @55℃ RATED VOLTAGE	168/1000 HRS	MIL-STD-750C METHOD 1027
5	HIGH TEMPERATURE REVERSE BIAS	80% RATED VOLTAGE 125℃ FOR STD TYPE 150℃ FOR GPP TYPE	168/1000 HRS	MIL-STD-750 METHOD 1038
6	INTERMITTENT OPERATING LIFE	ON: 5MIN WITH RATED I _{RMS} POWER OFF: 5MIN WITH COOL FORCED AIR	1000 CYCLES	MIL-STD-750 METHOD-1036
7	FORWARD SURGE CURRENT	8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	1 PULSE	MIL-STD-750 METHOD 4066
8	HIGH TEMPERATURE STORAGE LIFE	T _{STG} (max)	168/1000 HRS	MIL-STD-750 METHOD 1031
9	LOW TEMPERATURE STORAGE LIFE	T _{STG} (min)	168/1000 HRS	IEC-68-2-1 TEST A:COLD
10	MOISTURE RESISTANCE	85℃, 85% RELATIVE HUMIDITY	168/1000 HRS	MIL-STD-750 METHOD 1021
11	PRESSURE COOKER	15PSIG, 121℃	4 HRS	MIL-S-19500 APPENDIX C
12	THERMAL SHOCK	0℃/5 MIN, 100℃/5 MIN	10 CYCLES	MIL-STD-750 METHOD 1056
13	TEMPERATURE CYCLING	T _{STG} (max)/15 MIN T _{STG} (min)/15 MIN 25℃/5 MIN FOR TRANSFER	10 CYCLES	MIL-STD-750 METHOD 1051
14	SOLDERING HEAT	260℃ +5℃ -0℃	10 SEC	MIL-STD-750 METHOD 2031

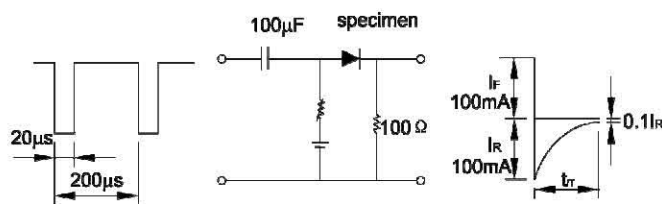
REVERSE RECOVERY TIME MEASUREMENT CIRCUIT

1.



2.

$$I_F = I_R = 10mA, \text{ to } 1mA$$



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Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Surface Mount Rectifiers								
S07B	0.7	100	20	1.1	0.7	5.0	50 ¹⁾	SOD-123FL
S07D	0.7	200	20	1.1	0.7	5.0	50 ¹⁾	SOD-123FL
S07G	0.7	400	20	1.1	0.7	5.0	50 ¹⁾	SOD-123FL
S07J	0.7	600	20	1.1	0.7	5.0	50 ¹⁾	SOD-123FL
S07M	0.7	1000	20	1.1	0.7	5.0	50 ¹⁾	SOD-123FL
SOD4001	1.0	50	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
SOD4002	1.0	100	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
SOD4003	1.0	200	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
SOD4004	1.0	400	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
SOD4005	1.0	600	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
SOD4006	1.0	800	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
SOD4007	1.0	1000	25	1.1	1.0	5.0	50 ¹⁾	SOD-123FL
GL34A	0.5	50	10	1.2	0.5	5.0	50 ¹⁾	DO-213AA
GL34B	0.5	100	10	1.2	0.5	5.0	50 ¹⁾	DO-213AA
GL34D	0.5	200	10	1.2	0.5	5.0	50 ¹⁾	DO-213AA
GL34G	0.5	400	10	1.2	0.5	5.0	50 ¹⁾	DO-213AA
GL34J	0.5	600	10	1.3	0.5	5.0	50 ¹⁾	DO-213AA
GL34K	0.5	800	10	1.3	0.5	5.0	50 ¹⁾	DO-213AA
GL34M	0.5	1000	10	1.3	0.5	5.0	50 ¹⁾	DO-213AA
GL1A	1.0	50	30	1.2	1.0	5.0	50 ¹⁾	DO-213AA
GL1B	1.0	100	30	1.2	1.0	5.0	50 ¹⁾	DO-213AA
GL1D	1.0	200	30	1.2	1.0	5.0	50 ¹⁾	DO-213AA
GL1G	1.0	400	30	1.2	1.0	5.0	50 ¹⁾	DO-213AA
GL1J	1.0	600	30	1.3	1.0	5.0	50 ¹⁾	DO-213AA
GL1K	1.0	800	30	1.3	1.0	5.0	50 ¹⁾	DO-213AA
GL1M	1.0	1000	30	1.3	1.0	5.0	50 ¹⁾	DO-213AA
GL41A	1.0	50	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
GL41B	1.0	100	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
GL41D	1.0	200	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
GL41G	1.0	400	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
GL41J	1.0	600	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
GL41K	1.0	800	30	1.2	1.0	5.0	50 ¹⁾	DO-213AB
GL41M	1.0	1000	30	1.2	1.0	5.0	50 ¹⁾	DO-213AB
GL41T	1.0	1300	30	1.2	1.0	5.0	50 ¹⁾	DO-213AB
GL41Y	1.0	1600	30	1.2	1.0	5.0	50 ¹⁾	DO-213AB
SM4001	1.0	50	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB

Note: 1) $T_A=125^{\circ}\text{C}$



SOD-123FL



DO-213AA



DO-213AB



Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Surface Mount Rectifiers								
SM4002	1.0	100	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM4003	1.0	200	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM4004	1.0	400	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM4005	1.0	600	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM4006	1.0	800	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM4007	1.0	1000	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM513	1.0	1300	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM516	1.0	1600	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM518	1.0	1800	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
SM2000	1.0	2000	30	1.1	1.0	5.0	50 ¹⁾	DO-213AB
M1	1.0	50	30	1.1	1.0	5.0	50 ¹⁾	SMA
M2	1.0	100	30	1.1	1.0	5.0	50 ¹⁾	SMA
M3	1.0	200	30	1.1	1.0	5.0	50 ¹⁾	SMA
M4	1.0	400	30	1.1	1.0	5.0	50 ¹⁾	SMA
M5	1.0	600	30	1.1	1.0	5.0	50 ¹⁾	SMA
M6	1.0	800	30	1.1	1.0	5.0	50 ¹⁾	SMA
M7	1.0	1000	30	1.1	1.0	5.0	50 ¹⁾	SMA
S1A	1.0	50	40	1.1	1.0	5.0	50 ¹⁾	SMA
S1B	1.0	100	40	1.1	1.0	5.0	50 ¹⁾	SMA
S1D	1.0	200	40	1.1	1.0	5.0	50 ¹⁾	SMA
S1G	1.0	400	40	1.1	1.0	5.0	50 ¹⁾	SMA
S1J	1.0	600	40	1.1	1.0	5.0	50 ¹⁾	SMA
S1K	1.0	800	30	1.1	1.0	5.0	50 ¹⁾	SMA
S1M	1.0	1000	30	1.1	1.0	5.0	50 ¹⁾	SMA
S2AA	1.5	50	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2BA	1.5	100	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2DA	1.5	200	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2GA	1.5	400	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2JA	1.5	600	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2KA	1.5	800	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2MA	1.5	1000	50	1.15	1.5	5.0	125 ¹⁾	SMA
S2A	1.5	50	50	1.15	1.5	5.0	125 ¹⁾	SMB
S2B	1.5	100	50	1.15	1.5	5.0	125 ¹⁾	SMB
S2D	1.5	200	50	1.15	1.5	5.0	125 ¹⁾	SMB
S2G	1.5	400	50	1.15	1.5	5.0	125 ¹⁾	SMB
S2J	1.5	600	50	1.15	1.5	5.0	125 ¹⁾	SMB

Note: 1) $T_A=125^{\circ}\text{C}$ 

DO-213AB



SMA / DO-214AC



SMB / DO-214AA

Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Surface Mount Rectifiers								
S2K	1.5	800	50	1.15	1.5	5.0	125 ¹⁾	SMB
S2M	1.5	1000	50	1.15	1.5	5.0	125 ¹⁾	SMB
S3AB	3.0	50	100	1.15	3.0	10	125 ¹⁾	SMB
S3BB	3.0	100	100	1.15	3.0	10	125 ¹⁾	SMB
S3DB	3.0	200	100	1.15	3.0	10	125 ¹⁾	SMB
S3GB	3.0	400	100	1.15	3.0	10	125 ¹⁾	SMB
S3JB	3.0	600	100	1.15	3.0	10	125 ¹⁾	SMB
S3KB	3.0	800	100	1.15	3.0	10	125 ¹⁾	SMB
S3MB	3.0	1000	100	1.15	3.0	10	125 ¹⁾	SMB
S3A	3.0	50	100	1.15	3.0	10	125 ¹⁾	SMC
S3B	3.0	100	100	1.15	3.0	10	125 ¹⁾	SMC
S3D	3.0	200	100	1.15	3.0	10	125 ¹⁾	SMC
S3G	3.0	400	100	1.15	3.0	10	125 ¹⁾	SMC
S3J	3.0	600	100	1.15	3.0	10	125 ¹⁾	SMC
S3K	3.0	800	100	1.15	3.0	10	125 ¹⁾	SMC
S3M	3.0	1000	100	1.15	3.0	10	125 ¹⁾	SMC
S5AC	5.0	50	150	1.15	5.0	10	250 ¹⁾	SMC
S5BC	5.0	100	150	1.15	5.0	10	250 ¹⁾	SMC
S5DC	5.0	200	150	1.15	5.0	10	250 ¹⁾	SMC
S5GC	5.0	400	150	1.15	5.0	10	250 ¹⁾	SMC
S5JC	5.0	600	150	1.15	5.0	10	250 ¹⁾	SMC
S5KC	5.0	800	150	1.15	5.0	10	250 ¹⁾	SMC
S5MC	5.0	1000	150	1.15	5.0	10	250 ¹⁾	SMC
Leaded Rectifiers								
1A1	1.0	50	30	1.0	1.0	5.0	50	R-1
1A2	1.0	100	30	1.0	1.0	5.0	50	R-1
1A3	1.0	200	30	1.0	1.0	5.0	50	R-1
1A4	1.0	400	30	1.0	1.0	5.0	50	R-1
1A5	1.0	600	30	1.0	1.0	5.0	50	R-1
1A6	1.0	800	30	1.0	1.0	5.0	50	R-1
1A7	1.0	1000	30	1.0	1.0	5.0	50	R-1
1N4001L	1.0	50	30	1.0	1.0	5.0	50	A-405
1N4002L	1.0	100	30	1.0	1.0	5.0	50	A-405
1N4003L	1.0	200	30	1.0	1.0	5.0	50	A-405
1N4004L	1.0	400	30	1.0	1.0	5.0	50	A-405
1N4005L	1.0	600	30	1.0	1.0	5.0	50	A-405

Note: 1) $T_A=125^{\circ}C$



SMB / DO-214AA



SMC / DO-214AB



R-1



A-405

Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Leaded Rectifiers								
1N4006L	1.0	800	30	1.0	1.0	5.0	50	A-405
1N4007L	1.0	1000	30	1.0	1.0	5.0	50	A-405
RL101	1.0	50	30	1.0	1.0	5.0	50	A-405
RL102	1.0	100	30	1.0	1.0	5.0	50	A-405
RL103	1.0	200	30	1.0	1.0	5.0	50	A-405
RL104	1.0	400	30	1.0	1.0	5.0	50	A-405
RL105	1.0	600	30	1.0	1.0	5.0	50	A-405
RL106	1.0	800	30	1.0	1.0	5.0	50	A-405
RL107	1.0	1000	30	1.0	1.0	5.0	50	A-405
1N4001	1.0	50	40	1.0	1.0	5.0	50	DO-41
1N4002	1.0	100	40	1.0	1.0	5.0	50	DO-41
1N4003	1.0	200	40	1.0	1.0	5.0	50	DO-41
1N4004	1.0	400	40	1.0	1.0	5.0	50	DO-41
1N4005	1.0	600	40	1.0	1.0	5.0	50	DO-41
1N4006	1.0	800	40	1.0	1.0	5.0	50	DO-41
1N4007	1.0	1000	40	1.0	1.0	5.0	50	DO-41
1N5391	1.5	50	50	1.1	1.5	5.0	50	DO-15
1N5392	1.5	100	50	1.1	1.5	5.0	50	DO-15
1N5393	1.5	200	50	1.1	1.5	5.0	50	DO-15
1N5394	1.5	300	50	1.1	1.5	5.0	50	DO-15
1N5395	1.5	400	50	1.1	1.5	5.0	50	DO-15
1N5396	1.5	500	50	1.1	1.5	5.0	50	DO-15
1N5397	1.5	600	50	1.1	1.5	5.0	50	DO-15
1N5398	1.5	800	50	1.1	1.5	5.0	50	DO-15
1N5399	1.5	1000	50	1.1	1.5	5.0	50	DO-15
RL151	1.5	50	60	1.1	1.5	5.0	50	DO-15
RL152	1.5	100	60	1.1	1.5	5.0	50	DO-15
RL153	1.5	200	60	1.1	1.5	5.0	50	DO-15
RL154	1.5	400	60	1.1	1.5	5.0	50	DO-15
RL155	1.5	600	60	1.1	1.5	5.0	50	DO-15
RL156	1.5	800	60	1.1	1.5	5.0	50	DO-15
RL157	1.5	1000	60	1.1	1.5	5.0	50	DO-15
RL201	2.0	50	70	1.1	2.0	5.0	50	DO-15
RL202	2.0	100	70	1.1	2.0	5.0	50	DO-15
RL203	2.0	200	70	1.1	2.0	5.0	50	DO-15
RL204	2.0	400	70	1.1	2.0	5.0	50	DO-15



A-405



DO-41



DO-15

Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Leaded Rectifiers								
RL205	2.0	600	70	1.1	2.0	5.0	50	DO-15
RL206	2.0	800	70	1.1	2.0	5.0	50	DO-15
RL207	2.0	1000	70	1.1	2.0	5.0	50	DO-15
RL251	2.5	50	150	1.1	2.5	5.0	50	R-3
RL252	2.5	100	150	1.1	2.5	5.0	50	R-3
RL253	2.5	200	150	1.1	2.5	5.0	50	R-3
RL254	2.5	400	150	1.1	2.5	5.0	50	R-3
RL255	2.5	600	150	1.1	2.5	5.0	50	R-3
RL256	2.5	800	150	1.1	2.5	5.0	50	R-3
RL257	2.5	1000	150	1.1	2.5	5.0	50	R-3
1N4139	3.0	50	300	1.0	3.0	10	100	DO-27
1N4140	3.0	100	300	1.0	3.0	10	100	DO-27
1N4141	3.0	200	300	1.0	3.0	10	100	DO-27
1N4142	3.0	400	300	1.0	3.0	10	100	DO-27
1N4143	3.0	600	300	1.0	3.0	10	100	DO-27
1N4144	3.0	800	300	1.0	3.0	10	100	DO-27
1N4145	3.0	1000	300	1.0	3.0	10	100	DO-27
1N4146	3.0	1200	300	1.0	3.0	10	100	DO-27
IN5400	3.0	50	200	1.0	3.0	10	100	DO-27
IN5401	3.0	100	200	1.0	3.0	10	100	DO-27
IN5402	3.0	200	200	1.0	3.0	10	100	DO-27
IN5403	3.0	300	200	1.0	3.0	10	100	DO-27
IN5404	3.0	400	200	1.0	3.0	10	100	DO-27
IN5405	3.0	500	200	1.0	3.0	10	100	DO-27
IN5406	3.0	600	200	1.0	3.0	10	100	DO-27
IN5407	3.0	800	200	1.0	3.0	10	100	DO-27
IN5408	3.0	1000	200	1.0	3.0	10	100	DO-27
BY251	3.0	200	100	1.1	3.0	10	100	DO-27
BY252	3.0	400	100	1.1	3.0	10	100	DO-27
BY253	3.0	600	100	1.1	3.0	10	100	DO-27
BY254	3.0	800	100	1.1	3.0	10	100	DO-27
BY255	3.0	1300	100	1.1	3.0	10	100	DO-27
4A01	4.0	100	250	0.95	4.0	10	100	DO-27
4A02	4.0	200	250	0.95	4.0	10	100	DO-27
4A04	4.0	400	250	0.95	4.0	10	100	DO-27
4A06	4.0	600	250	0.95	4.0	10	100	DO-27



DO-15



R-3



DO-27

Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Leaded Rectifiers								
4A08	4.0	800	250	0.95	4.0	10	100	DO-27
4A10	4.0	1000	250	0.95	4.0	10	100	DO-27
5A01	5.0	100	300	1.2	5.0	10	100	DO-27
5A02	5.0	200	300	1.2	5.0	10	100	DO-27
5A04	5.0	400	300	1.2	5.0	10	100	DO-27
5A06	5.0	600	300	1.2	5.0	10	100	DO-27
5A08	5.0	800	300	1.2	5.0	10	100	DO-27
5A10	5.0	1000	300	1.2	5.0	10	100	DO-27
5A50	5.0	50	300	1.2	5.0	10	100	DO-27
5A100	5.0	100	300	1.2	5.0	10	100	DO-27
5A200	5.0	200	300	1.2	5.0	10	100	DO-27
5A400	5.0	400	300	1.2	5.0	10	100	DO-27
5A600	5.0	600	300	1.2	5.0	10	100	DO-27
5A800	5.0	800	300	1.2	5.0	10	100	DO-27
5A1000	5.0	1000	300	1.2	5.0	10	100	DO-27
BY550-50	5.0	50	300	1.1	5.0	10	100	DO-27
BY550-100	5.0	100	300	1.1	5.0	10	100	DO-27
BY550-200	5.0	200	300	1.1	5.0	10	100	DO-27
BY550-400	5.0	400	300	1.1	5.0	10	100	DO-27
BY550-600	5.0	600	300	1.1	5.0	10	100	DO-27
BY550-800	5.0	800	300	1.1	5.0	10	100	DO-27
BY550-1000	5.0	1000	300	1.1	5.0	10	100	DO-27
6A05S	6.0	50	400	1.0	6.0	10	100	R-5
6A1S	6.0	100	400	1.0	6.0	10	100	R-5
6A2S	6.0	200	400	1.0	6.0	10	100	R-5
6A4S	6.0	400	400	1.0	6.0	10	100	R-5
6A6S	6.0	600	400	1.0	6.0	10	100	R-5
6A8S	6.0	800	400	1.0	6.0	10	100	R-5
6A10S	6.0	1000	400	1.0	6.0	10	100	R-5
6A05	6.0	50	400	1.0	6.0	10	100	R-6
6A1	6.0	100	400	1.0	6.0	10	100	R-6
6A2	6.0	200	400	1.0	6.0	10	100	R-6
6A4	6.0	400	400	1.0	6.0	10	100	R-6
6A6	6.0	600	400	1.0	6.0	10	100	R-6
6A8	6.0	800	400	1.0	6.0	10	100	R-6
6A10	6.0	1000	400	1.0	6.0	10	100	R-6



DO-27



R-5

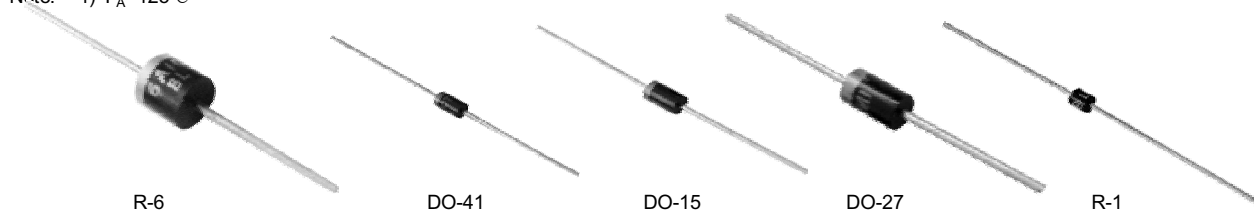


R-6

Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Leaded Rectifiers								
P600A	6.0	50	400	0.9	6.0	10	100	R-6
P600B	6.0	100	400	0.9	6.0	10	100	R-6
P600D	6.0	200	400	0.9	6.0	10	100	R-6
P600G	6.0	400	400	0.9	6.0	10	100	R-6
P600J	6.0	600	400	0.9	6.0	10	100	R-6
P600K	6.0	800	400	0.9	6.0	10	100	R-6
P600M	6.0	1000	400	0.9	6.0	10	100	R-6
P600S	6.0	1200	400	0.9	6.0	10	100	R-6
10A05	10	50	400	1.0	10	10	100	R-6
10A1	10	100	400	1.0	10	10	100	R-6
10A2	10	200	400	1.0	10	10	100	R-6
10A4	10	400	400	1.0	10	10	100	R-6
10A6	10	600	400	1.0	10	10	100	R-6
10A8	10	800	400	1.0	10	10	100	R-6
10A10	10	1000	400	1.0	10	10	100	R-6
EM513	1.0	1600	30	1.1	1.0	5.0	50	DO-41
EM516	1.0	1800	30	1.1	1.0	5.0	50	DO-41
EM518	1.0	2000	30	1.1	1.0	5.0	50	DO-41
R1200	0.5	1200	30	2.0	0.5	5.0	50	DO-41
R1500	0.5	1500	30	2.0	0.5	5.0	50	DO-41
R1800	0.5	1800	30	2.0	0.5	5.0	50	DO-41
R2000	0.5	2000	30	2.0	0.5	5.0	50	DO-41
R2500	0.2	2500	30	3.0	0.2	5.0	50	DO-15
R3000	0.2	3000	30	4.0	0.2	5.0	50	DO-15
R4000	0.2	4000	30	5.0	0.2	5.0	50	DO-15
R5000	0.2	5000	30	5.0	0.2	5.0	50	DO-15
3R12	3.0	1200	150	1.2	3.0	10	100	DO-27
3R14	3.0	1400	150	1.2	3.0	10	100	DO-27
3R16	3.0	1600	150	1.2	3.0	10	100	DO-27
3R18	3.0	1800	150	1.2	3.0	10	100	DO-27
3R20	3.0	2000	150	1.2	3.0	10	100	DO-27
1A1G	1.0	50	30	1.1	1.0	5.0	50 ¹⁾	R-1
1A2G	1.0	100	30	1.1	1.0	5.0	50 ¹⁾	R-1
1A3G	1.0	200	30	1.1	1.0	5.0	50 ¹⁾	R-1
1A4G	1.0	400	30	1.1	1.0	5.0	50 ¹⁾	R-1
1A5G	1.0	600	30	1.1	1.0	5.0	50 ¹⁾	R-1

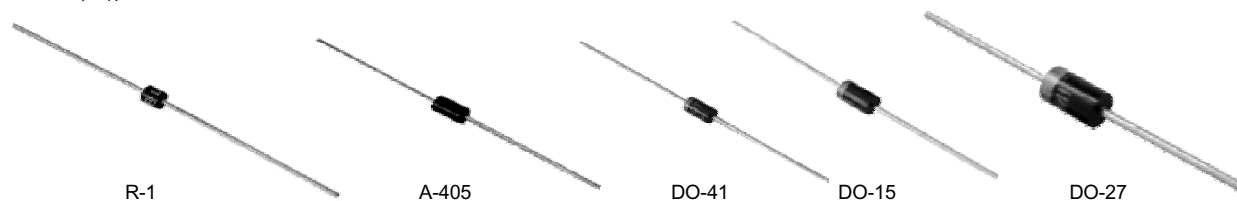
Note: 1) $T_A=125^{\circ}\text{C}$



Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Leaded Rectifiers								
1A6G	1.0	800	30	1.1	1.0	5.0	50 ¹⁾	R-1
1A7G	1.0	1000	30	1.1	1.0	5.0	50 ¹⁾	R-1
RL101G	1.0	50	30	1.1	1.0	5.0	50 ¹⁾	A-405
RL102G	1.0	100	30	1.1	1.0	5.0	50 ¹⁾	A-405
RL103G	1.0	200	30	1.1	1.0	5.0	50 ¹⁾	A-405
RL104G	1.0	400	30	1.1	1.0	5.0	50 ¹⁾	A-405
RL105G	1.0	600	30	1.1	1.0	5.0	50 ¹⁾	A-405
RL106G	1.0	800	30	1.1	1.0	5.0	50 ¹⁾	A-405
RL107G	1.0	1000	30	1.1	1.0	5.0	50 ¹⁾	A-405
1N4001G	1.0	50	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N4002G	1.0	100	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N4003G	1.0	200	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N4004G	1.0	400	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N4005G	1.0	600	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N4006G	1.0	800	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N4007G	1.0	1000	40	1.1	1.0	5.0	50 ¹⁾	DO-41
1N5391G	1.5	50	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5392G	1.5	100	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5393G	1.5	200	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5394G	1.5	300	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5395G	1.5	400	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5396G	1.5	500	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5397G	1.5	600	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5398G	1.5	800	50	1.1	1.5	5.0	50 ¹⁾	DO-15
1N5399G	1.5	1000	50	1.1	1.5	5.0	50 ¹⁾	DO-15
RL201G	2.0	50	70	1.1	2.0	5.0	50 ¹⁾	DO-15
RL202G	2.0	100	70	1.1	2.0	5.0	50 ¹⁾	DO-15
RL203G	2.0	200	70	1.1	2.0	5.0	50 ¹⁾	DO-15
RL204G	2.0	400	70	1.1	2.0	5.0	50 ¹⁾	DO-15
RL205G	2.0	600	70	1.1	2.0	5.0	50 ¹⁾	DO-15
RL206G	2.0	800	70	1.1	2.0	5.0	50 ¹⁾	DO-15
RL207G	2.0	1000	70	1.1	2.0	5.0	50 ¹⁾	DO-15
GI500	3.0	50	100	1.1	9.4	5.0	50 ¹⁾	DO-27
GI501	3.0	100	100	1.1	9.4	5.0	50 ¹⁾	DO-27
GI502	3.0	200	100	1.1	9.4	5.0	50 ¹⁾	DO-27
GI504	3.0	400	100	1.1	9.4	5.0	50 ¹⁾	DO-27

Note: 1) $T_A=125^{\circ}\text{C}$



R-1

A-405

DO-41

DO-15

DO-27

Silicon rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	μA	μA	
Leaded Rectifiers								
GI506	3.0	600	100	1.1	9.4	5.0	50 ¹⁾	DO-27
GI508	3.0	800	100	1.1	9.4	5.0	50 ¹⁾	DO-27
GI510	3.0	1000	100	1.1	9.4	5.0	50 ¹⁾	DO-27
1N5400G	3.0	50	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5401G	3.0	100	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5402G	3.0	200	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5403G	3.0	300	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5404G	3.0	400	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5405G	3.0	500	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5406G	3.0	600	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5407G	3.0	800	200	1.0	3.0	5.0	100 ¹⁾	DO-27
1N5408G	3.0	1000	200	1.0	3.0	5.0	100 ¹⁾	DO-27
6A05G	6.0	50	400	1.0	6.0	10	100 ¹⁾	R-6
6A1G	6.0	100	400	1.0	6.0	10	100 ¹⁾	R-6
6A2G	6.0	200	400	1.0	6.0	10	100 ¹⁾	R-6
6A4G	6.0	400	400	1.0	6.0	10	100 ¹⁾	R-6
6A6G	6.0	600	400	1.0	6.0	10	100 ¹⁾	R-6
6A8G	6.0	800	400	1.0	6.0	10	100 ¹⁾	R-6
6A10G	6.0	1000	400	1.0	6.0	10	100 ¹⁾	R-6

Note: 1) $T_A=125^{\circ}\text{C}$



DO-27



R-6

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
RS07B	0.7	100	20	1.3	0.7	5.0	50 ¹⁾	150	SOD-123FL
RS07D	0.7	200	20	1.3	0.7	5.0	50 ¹⁾	150	SOD-123FL
RS07G	0.7	400	20	1.3	0.7	5.0	50 ¹⁾	150	SOD-123FL
RS07J	0.7	600	20	1.3	0.7	5.0	50 ¹⁾	250	SOD-123FL
RS07K	0.7	800	20	1.3	0.7	5.0	50 ¹⁾	500	SOD-123FL
RS07M	0.7	1000	20	1.3	0.7	5.0	50 ¹⁾	500	SOD-123FL
SOD1F1	1.0	100	25	1.3	1.0	5.0	50 ¹⁾	150	SOD-123FL
SOD1F2	1.0	200	25	1.3	1.0	5.0	50 ¹⁾	150	SOD-123FL
SOD1F4	1.0	400	25	1.3	1.0	5.0	50 ¹⁾	150	SOD-123FL
SOD1F6	1.0	600	25	1.3	1.0	5.0	50 ¹⁾	250	SOD-123FL
SOD1F8	1.0	800	25	1.3	1.0	5.0	50 ¹⁾	500	SOD-123FL
SOD1F10	1.0	1000	25	1.3	1.0	5.0	50 ¹⁾	500	SOD-123FL
RGL34A	0.5	50	10	1.3	0.5	5.0	50 ¹⁾	150	DO-213AA
RGL34B	0.5	100	10	1.3	0.5	5.0	50 ¹⁾	150	DO-213AA
RGL34D	0.5	200	10	1.3	0.5	5.0	50 ¹⁾	150	DO-213AA
RGL34G	0.5	400	10	1.3	0.5	5.0	50 ¹⁾	150	DO-213AA
RGL34J	0.5	600	10	1.3	0.5	5.0	50 ¹⁾	250	DO-213AA
RGL34K	0.5	800	10	1.3	0.5	5.0	50 ¹⁾	250	DO-213AA
RGL34M	0.5	1000	10	1.3	0.5	5.0	50 ¹⁾	500	DO-213AA
RGL1A	1.0	50	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AA
RGL1B	1.0	100	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AA
RGL1D	1.0	200	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AA
RGL1G	1.0	400	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AA
RGL1J	1.0	600	30	1.3	1.0	5.0	50 ¹⁾	250	DO-213AA
RGL1K	1.0	800	30	1.3	1.0	5.0	50 ¹⁾	500	DO-213AA
RGL1M	1.0	1000	30	1.3	1.0	5.0	50 ¹⁾	500	DO-213AA
RGL41A	1.0	50	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AB
RGL41B	1.0	100	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AB
RGL41D	1.0	200	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AB
RGL41G	1.0	400	30	1.3	1.0	5.0	50 ¹⁾	150	DO-213AB
RGL41J	1.0	600	30	1.3	1.0	5.0	50 ¹⁾	250	DO-213AB
RGL41K	1.0	800	30	1.3	1.0	5.0	50 ¹⁾	500	DO-213AB
RGL41M	1.0	1000	30	1.3	1.0	5.0	50 ¹⁾	500	DO-213AB
SM4933	1.0	50	30	1.2	1.0	5.0	100 ¹⁾	200	DO-213AB
SM4934	1.0	100	30	1.2	1.0	5.0	100 ¹⁾	200	DO-213AB
SM4935	1.0	200	30	1.2	1.0	5.0	100 ¹⁾	200	DO-213AB

Note: 1) $T_A=125^{\circ}C$



SOD-123FL



DO-213AA



DO-213AB

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
SM4936	1.0	400	30	1.2	1.0	5.0	100 ¹⁾	200	DO-213AB
SM4937	1.0	600	30	1.2	1.0	5.0	100 ¹⁾	200	DO-213AB
RS1A	1.0	50	30	1.3	1.0	5.0	50 ¹⁾	150	SMA
RS1B	1.0	100	30	1.3	1.0	5.0	50 ¹⁾	150	SMA
RS1D	1.0	200	30	1.3	1.0	5.0	50 ¹⁾	150	SMA
RS1G	1.0	400	30	1.3	1.0	5.0	50 ¹⁾	150	SMA
RS1J	1.0	600	30	1.3	1.0	5.0	50 ¹⁾	250	SMA
RS1K	1.0	800	30	1.3	1.0	5.0	50 ¹⁾	500	SMA
RS1M	1.0	1000	30	1.3	1.0	5.0	50 ¹⁾	500	SMA
RS2AA	1.5	50	50	1.3	1.5	5.0	200 ¹⁾	150	SMA
RS2BA	1.5	100	50	1.3	1.5	5.0	200 ¹⁾	150	SMA
RS2DA	1.5	200	50	1.3	1.5	5.0	200 ¹⁾	150	SMA
RS2GA	1.5	400	50	1.3	1.5	5.0	200 ¹⁾	150	SMA
RS2JA	1.5	600	50	1.3	1.5	5.0	200 ¹⁾	250	SMA
RS2KA	1.5	800	50	1.3	1.5	5.0	200 ¹⁾	500	SMA
RS2MA	1.5	1000	50	1.3	1.5	5.0	200 ¹⁾	500	SMA
RS2A	1.5	50	50	1.3	1.5	5.0	200 ¹⁾	150	SMB
RS2B	1.5	100	50	1.3	1.5	5.0	200 ¹⁾	150	SMB
RS2D	1.5	200	50	1.3	1.5	5.0	200 ¹⁾	150	SMB
RS2G	1.5	400	50	1.3	1.5	5.0	200 ¹⁾	150	SMB
RS2J	1.5	600	50	1.3	1.5	5.0	200 ¹⁾	250	SMB
RS2K	1.5	800	50	1.3	1.5	5.0	200 ¹⁾	500	SMB
RS2M	1.5	1000	50	1.3	1.5	5.0	200 ¹⁾	500	SMB
RS3AB	3.0	50	100	1.3	3.0	10	200 ¹⁾	150	SMB
RS3BB	3.0	100	100	1.3	3.0	10	200 ¹⁾	150	SMB
RS3DB	3.0	200	100	1.3	3.0	10	200 ¹⁾	150	SMB
RS3GB	3.0	400	100	1.3	3.0	10	200 ¹⁾	150	SMB
RS3JB	3.0	600	100	1.3	3.0	10	200 ¹⁾	250	SMB
RS3KB	3.0	800	100	1.3	3.0	10	200 ¹⁾	500	SMB
RS3MB	3.0	1000	100	1.3	3.0	10	200 ¹⁾	500	SMB
RS3A	3.0	50	100	1.3	3.0	10	200 ¹⁾	150	SMC
RS3B	3.0	100	100	1.3	3.0	10	200 ¹⁾	150	SMC
RS3D	3.0	200	100	1.3	3.0	10	200 ¹⁾	150	SMC
RS3G	3.0	400	100	1.3	3.0	10	200 ¹⁾	150	SMC
RS3J	3.0	600	100	1.3	3.0	10	200 ¹⁾	250	SMC
RS3K	3.0	800	100	1.3	3.0	10	200 ¹⁾	500	SMC

Note: 1) $T_A=125^{\circ}C$



DO-213AB



SMA / DO-214AC



SMB / DO-214AA



SMC / DO-214AB

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
RS3M	3.0	1000	100	1.3	3.0	10	200 ¹⁾	500	SMC
RS5AC	5.0	50	150	1.3	5.0	5.0	200 ¹⁾	150	SMC
RS5BC	5.0	100	150	1.3	5.0	5.0	200 ¹⁾	150	SMC
RS5DC	5.0	200	150	1.3	5.0	5.0	200 ¹⁾	150	SMC
RS5GC	5.0	400	150	1.3	5.0	5.0	200 ¹⁾	150	SMC
RS5JC	5.0	600	150	1.3	5.0	5.0	200 ¹⁾	250	SMC
RS5KC	5.0	800	150	1.3	5.0	5.0	200 ¹⁾	500	SMC
RS5MC	5.0	1000	150	1.3	5.0	5.0	200 ¹⁾	500	SMC
Leaded Rectifiers									
1F1	1.0	50	25	1.3	1.0	5.0	100	150	R-1
1F2	1.0	100	25	1.3	1.0	5.0	100	150	R-1
1F3	1.0	200	25	1.3	1.0	5.0	100	150	R-1
1F4	1.0	400	25	1.3	1.0	5.0	100	150	R-1
1F5	1.0	600	25	1.3	1.0	5.0	100	250	R-1
1F6	1.0	800	25	1.3	1.0	5.0	100	500	R-1
1F7	1.0	1000	25	1.3	1.0	5.0	100	500	R-1
FR101L	1.0	50	30	1.3	1.0	5.0	100	150	A-405
FR102L	1.0	100	30	1.3	1.0	5.0	100	150	A-405
FR103L	1.0	200	30	1.3	1.0	5.0	100	150	A-405
FR104L	1.0	400	30	1.3	1.0	5.0	100	150	A-405
FR105L	1.0	600	30	1.3	1.0	5.0	100	250	A-405
FR106L	1.0	800	30	1.3	1.0	5.0	100	500	A-405
FR107L	1.0	1000	30	1.3	1.0	5.0	100	500	A-405
FR101	1.0	50	30	1.3	1.0	5.0	100	150	DO-41
FR102	1.0	100	30	1.3	1.0	5.0	100	150	DO-41
FR103	1.0	200	30	1.3	1.0	5.0	100	150	DO-41
FR104	1.0	400	30	1.3	1.0	5.0	100	150	DO-41
FR105	1.0	600	30	1.3	1.0	5.0	100	250	DO-41
FR106	1.0	800	30	1.3	1.0	5.0	100	500	DO-41
FR107	1.0	1000	30	1.3	1.0	5.0	100	500	DO-41
1N4933	1.0	50	30	1.3	1.0	5.0	100	200	DO-41
1N4934	1.0	100	30	1.3	1.0	5.0	100	200	DO-41
1N4935	1.0	200	30	1.3	1.0	5.0	100	200	DO-41
1N4936	1.0	400	30	1.3	1.0	5.0	100	200	DO-41
1N4937	1.0	600	30	1.3	1.0	5.0	100	200	DO-41
1N5059	1.0	200	50	1.2	1.0	5.0	100	1500	DO-41
1N5060	1.0	400	50	1.2	1.0	5.0	100	1500	DO-41

Note: 1) $T_A=125^{\circ}C$



SMC



R-1



A-405



DO-41

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
1N5061	1.0	600	50	1.2	1.0	5.0	100	1500	DO-41
1N5062	1.0	800	50	1.2	1.0	5.0	100	1500	DO-41
BA157	1.0	400	30	1.3	1.0	5.0	50	300	DO-41
BA158	1.0	600	30	1.3	1.0	5.0	50	300	DO-41
BA159D	1.0	800	30	1.3	1.0	5.0	50	300	DO-41
BA159	1.0	1000	30	1.3	1.0	5.0	50	300	DO-41
PR1001	1.0	50	30	1.2	1.0	5.0	100	150	DO-41
PR1002	1.0	100	30	1.2	1.0	5.0	100	150	DO-41
PR1003	1.0	200	30	1.2	1.0	5.0	100	150	DO-41
PR1004	1.0	400	30	1.2	1.0	5.0	100	150	DO-41
PR1005	1.0	600	30	1.2	1.0	5.0	100	250	DO-41
PR1006	1.0	800	30	1.2	1.0	5.0	100	500	DO-41
PR1007	1.0	1000	30	1.2	1.0	5.0	100	500	DO-41
FR151	1.5	50	60	1.3	1.5	5.0	100	150	DO-15
FR152	1.5	100	60	1.3	1.5	5.0	100	150	DO-15
FR153	1.5	200	60	1.3	1.5	5.0	100	150	DO-15
FR154	1.5	400	60	1.3	1.5	5.0	100	150	DO-15
FR155	1.5	600	60	1.3	1.5	5.0	100	250	DO-15
FR156	1.5	800	60	1.3	1.5	5.0	100	500	DO-15
FR157	1.5	1000	60	1.3	1.5	5.0	100	500	DO-15
PR1501	1.5	50	50	1.2	1.5	5.0	100	150	DO-15
PR1502	1.5	100	50	1.2	1.5	5.0	100	150	DO-15
PR1503	1.5	200	50	1.2	1.5	5.0	100	150	DO-15
PR1504	1.5	400	50	1.2	1.5	5.0	100	150	DO-15
PR1505	1.5	600	50	1.2	1.5	5.0	100	250	DO-15
PR1506	1.5	800	50	1.2	1.5	5.0	100	500	DO-15
PR1507	1.5	1000	50	1.2	1.5	5.0	100	500	DO-15
FR201	2.0	50	70	1.3	2.0	5.0	100	150	DO-15
FR202	2.0	100	70	1.3	2.0	5.0	100	150	DO-15
FR203	2.0	200	70	1.3	2.0	5.0	100	150	DO-15
FR204	2.0	400	70	1.3	2.0	5.0	100	150	DO-15
FR205	2.0	600	70	1.3	2.0	5.0	100	250	DO-15
FR206	2.0	800	70	1.3	2.0	5.0	100	500	DO-15
FR207	2.0	1000	70	1.3	2.0	5.0	100	500	DO-15
BY296	2.0	100	70	1.3	2.0	10	100	150	DO-27
BY297	2.0	200	70	1.3	2.0	10	100	150	DO-27



DO-41



DO-15



DO-27

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
BY298	2.0	400	70	1.3	2.0	10	100	150	DO-27
BY299	2.0	800	70	1.3	2.0	10	100	150	DO-27
BY299S	2.0	1000	70	1.3	2.0	10	100	150	DO-27
FR251	2.5	50	150	1.3	2.5	5.0	100	150	R-3
FR252	2.5	100	150	1.3	2.5	5.0	100	150	R-3
FR253	2.5	200	150	1.3	2.5	5.0	100	150	R-3
FR254	2.5	400	150	1.3	2.5	5.0	100	150	R-3
FR255	2.5	600	150	1.3	2.5	5.0	100	250	R-3
FR256	2.5	800	150	1.3	2.5	5.0	100	500	R-3
FR257	2.5	1000	150	1.3	2.5	5.0	100	500	R-3
BY396	3.0	100	100	1.25	3.0	10	500	150	DO-27
BY397	3.0	200	100	1.25	3.0	10	500	150	DO-27
BY398	3.0	400	100	1.25	3.0	10	500	150	DO-27
BY399	3.0	800	100	1.25	3.0	10	500	250	DO-27
BY399S	3.0	1000	100	1.25	3.0	10	500	250	DO-27
FR301	3.0	50	200	1.3	3.0	10	200	150	DO-27
FR302	3.0	100	200	1.3	3.0	10	200	150	DO-27
FR303	3.0	200	200	1.3	3.0	10	200	150	DO-27
FR304	3.0	400	200	1.3	3.0	10	200	150	DO-27
FR305	3.0	600	200	1.3	3.0	10	200	250	DO-27
FR306	3.0	800	200	1.3	3.0	10	200	500	DO-27
FR307	3.0	1000	200	1.3	3.0	10	200	500	DO-27
BY500-100	5.0	100	200	1.3	5.0	10	1000	200	DO-27
BY500-200	5.0	200	200	1.3	5.0	10	1000	200	DO-27
BY500-400	5.0	400	200	1.3	5.0	10	1000	200	DO-27
BY500-600	5.0	600	200	1.3	5.0	10	1000	200	DO-27
BY500-800	5.0	800	200	1.3	5.0	10	1000	200	DO-27
BY500-1000	5.0	1000	200	1.3	5.0	10	1000	200	DO-27
FR601S	6.0	50	250	1.3	6.0	10	200	150	R-5
FR602S	6.0	100	250	1.3	6.0	10	200	150	R-5
FR603S	6.0	200	250	1.3	6.0	10	200	150	R-5
FR604S	6.0	400	250	1.3	6.0	10	200	150	R-5
FR605S	6.0	600	250	1.3	6.0	10	200	250	R-5
FR606S	6.0	800	250	1.3	6.0	10	200	500	R-5
FR607S	6.0	1000	250	1.3	6.0	10	200	500	R-5
FR601	6.0	50	300	1.3	6.0	10	200	150	R-6



DO-27



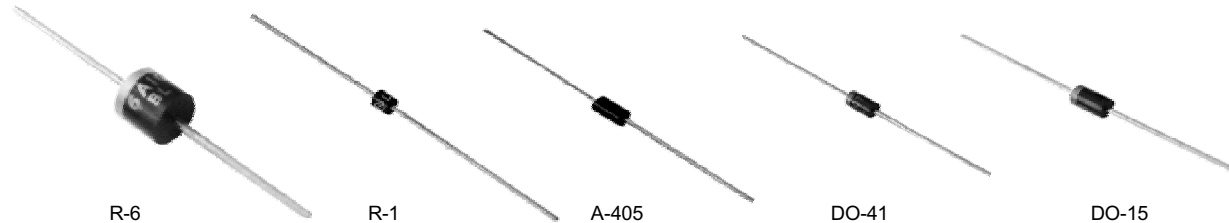
R-3



R-5

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
FR602	6.0	100	300	1.3	6.0	10	200	150	R-6
FR603	6.0	200	300	1.3	6.0	10	200	150	R-6
FR604	6.0	400	300	1.3	6.0	10	200	150	R-6
FR605	6.0	600	300	1.3	6.0	10	200	250	R-6
FR606	6.0	800	300	1.3	6.0	10	200	500	R-6
FR607	6.0	1000	300	1.3	6.0	10	200	500	R-6
1F10	0.5	1000	25	1.8	0.5	5.0	100	300	R-1
1F12	0.5	1200	25	1.8	0.5	5.0	100	300	R-1
1F14	0.5	1400	25	1.8	0.5	5.0	100	300	R-1
1F15	0.5	1500	25	1.8	0.5	5.0	100	300	R-1
1F16	0.5	1600	25	1.8	0.5	5.0	100	300	R-1
1F18	0.5	1800	25	1.8	0.5	5.0	100	300	R-1
1F20	0.5	2000	25	1.8	0.5	5.0	100	300	R-1
1A10F	1.0	1000	30	1.3	1.0	5.0	100	300	R-1
1A12F	1.0	1200	30	1.3	1.0	5.0	100	300	R-1
1A14F	1.0	1400	30	1.8	1.0	5.0	100	300	R-1
1A15F	1.0	1500	30	1.8	1.0	5.0	100	300	R-1
1A16F	1.0	1600	30	1.8	1.0	5.0	100	300	R-1
1A18F	1.0	1800	30	1.8	1.0	5.0	100	300	R-1
PR1600L	0.5	1600	30	1.5	0.5	5.0	100	300	A-405
PR1800L	0.5	1800	30	1.5	0.5	5.0	100	300	A-405
PR2000L	0.5	2000	30	1.5	0.5	5.0	100	300	A-405
PR1600	0.5	1600	20	1.5	0.5	5.0	100	300	DO-41
PR1800	0.5	1800	20	1.5	0.5	5.0	100	300	DO-41
PR2000	0.5	2000	20	1.5	0.5	5.0	100	300	DO-41
R1200F	0.5	1200	30	2.5	0.5	5.0	100	500	DO-41
R1500F	0.5	1500	30	2.5	0.5	5.0	100	500	DO-41
R1800F	0.5	1800	30	2.5	0.5	5.0	100	500	DO-41
R2000F	0.2	2000	30	4.0	0.2	5.0	100	500	DO-41
FR05-12	0.5	1200	30	2.0	0.5	5.0	100	500	DO-41
FR05-14	0.5	1400	30	2.0	0.5	5.0	100	500	DO-41
FR05-15	0.5	1500	30	2.0	0.5	5.0	100	500	DO-41
FR05-16	0.5	1600	30	2.0	0.5	5.0	100	500	DO-41
FR05-18	0.5	1800	30	2.0	0.5	5.0	100	500	DO-41
FR05-20	0.5	2000	30	2.0	0.5	5.0	100	500	DO-41
R2500F	0.2	2500	30	4.0	0.2	5.0	100	500	DO-15



Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
R3000F	0.2	3000	30	5.0	0.2	5.0	100	500	DO-15
R4000F	0.2	4000	30	6.5	0.2	5.0	100	500	DO-15
R5000F	0.2	5000	30	6.5	0.2	5.0	100	500	DO-15
1F1G	1.0	50	25	1.3	1.0	5.0	100 ¹⁾	150	R-1
1F2G	1.0	100	25	1.3	1.0	5.0	100 ¹⁾	150	R-1
1F3G	1.0	200	25	1.3	1.0	5.0	100 ¹⁾	150	R-1
1F4G	1.0	400	25	1.3	1.0	5.0	100 ¹⁾	150	R-1
1F5G	1.0	600	25	1.3	1.0	5.0	100 ¹⁾	250	R-1
1F6G	1.0	800	25	1.3	1.0	5.0	100 ¹⁾	500	R-1
1F7G	1.0	1000	25	1.3	1.0	5.0	100 ¹⁾	500	R-1
FR101GL	1.0	50	30	1.3	1.0	5.0	100 ¹⁾	150	A-405
FR102GL	1.0	100	30	1.3	1.0	5.0	100 ¹⁾	150	A-405
FR103GL	1.0	200	30	1.3	1.0	5.0	100 ¹⁾	150	A-405
FR104GL	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	150	A-405
FR105GL	1.0	600	30	1.3	1.0	5.0	100 ¹⁾	250	A-405
FR106GL	1.0	800	30	1.3	1.0	5.0	100 ¹⁾	500	A-405
FR107GL	1.0	1000	30	1.3	1.0	5.0	100 ¹⁾	500	A-405
1N4933GL	1.0	50	30	1.3	1.0	5.0	100 ¹⁾	200	A-405
1N4934GL	1.0	100	30	1.3	1.0	5.0	100 ¹⁾	200	A-405
1N4935GL	1.0	200	30	1.3	1.0	5.0	100 ¹⁾	200	A-405
1N4936GL	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	200	A-405
1N4937GL	1.0	600	30	1.3	1.0	5.0	100 ¹⁾	200	A-405
FR101G	1.0	50	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
FR102G	1.0	100	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
FR103G	1.0	200	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
FR104G	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
FR105G	1.0	600	30	1.3	1.0	5.0	100 ¹⁾	250	DO-41
FR106G	1.0	800	30	1.3	1.0	5.0	100 ¹⁾	500	DO-41
FR107G	1.0	1000	30	1.3	1.0	5.0	100 ¹⁾	500	DO-41
1N4942G	1.0	200	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
1N4944G	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
1N4946G	1.0	600	30	1.3	1.0	5.0	100 ¹⁾	250	DO-41
1N4947G	1.0	800	30	1.3	1.0	5.0	100 ¹⁾	250	DO-41
1N4948G	1.0	1000	30	1.3	1.0	5.0	100 ¹⁾	500	DO-41
1N4933G	1.0	50	30	1.3	1.0	5.0	100 ¹⁾	200	DO-41
1N4934G	1.0	100	30	1.3	1.0	5.0	100 ¹⁾	200	DO-41

Note: 1) $T_A=125^{\circ}C$



DO-15



R-1



A-405



DO-41

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
1N4935G	1.0	200	30	1.3	1.0	5.0	100 ¹⁾	200	DO-41
1N4936G	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	200	DO-41
1N4937G	1.0	600	30	1.3	1.0	5.0	100 ¹⁾	200	DO-41
PG101	1.0	100	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
PG102	1.0	200	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
PG103	1.0	300	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
PG104	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
PG105	1.0	500	30	1.3	1.0	5.0	100 ¹⁾	150	DO-41
PG106	1.0	600	30	1.3	1.0	5.0	100 ¹⁾	250	DO-41
PG107	1.0	800	30	1.3	1.0	5.0	100 ¹⁾	500	DO-41
PG108	1.0	1000	30	1.3	1.0	5.0	100 ¹⁾	500	DO-41
FR151G	1.5	50	60	1.3	1.5	5.0	100 ¹⁾	150	DO-15
FR152G	1.5	100	60	1.3	1.5	5.0	100 ¹⁾	150	DO-15
FR153G	1.5	200	60	1.3	1.5	5.0	100 ¹⁾	150	DO-15
FR154G	1.5	400	60	1.3	1.5	5.0	100 ¹⁾	150	DO-15
FR155G	1.5	600	60	1.3	1.5	5.0	100 ¹⁾	250	DO-15
FR156G	1.5	800	60	1.3	1.5	5.0	100 ¹⁾	500	DO-15
FR157G	1.5	1000	60	1.3	1.5	5.0	100 ¹⁾	500	DO-15
FR201G	2.0	50	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
FR202G	2.0	100	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
FR203G	2.0	200	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
FR204G	2.0	400	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
FR205G	2.0	600	70	1.3	2.0	5.0	100 ¹⁾	250	DO-15
FR206G	2.0	800	70	1.3	2.0	5.0	100 ¹⁾	500	DO-15
FR207G	2.0	1000	70	1.3	2.0	5.0	100 ¹⁾	500	DO-15
PG201	2.0	100	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
PG202	2.0	200	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
PG203	2.0	300	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
PG204	2.0	400	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
PG205	2.0	500	70	1.3	2.0	5.0	100 ¹⁾	150	DO-15
PG206	2.0	600	70	1.3	2.0	5.0	100 ¹⁾	250	DO-15
PG207	2.0	800	70	1.3	2.0	5.0	100 ¹⁾	500	DO-15
PG208	2.0	1000	70	1.3	2.0	5.0	100 ¹⁾	500	DO-15
FR301G	3.0	50	200	1.3	3.0	10	200 ¹⁾	150	DO-27
FR302G	3.0	100	200	1.3	3.0	10	200 ¹⁾	150	DO-27
FR303G	3.0	200	200	1.3	3.0	10	200 ¹⁾	150	DO-27

Note: 1) $T_A=125^{\circ}C$



DO-41



DO-15



DO-27

Fast recovery rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
FR304G	3.0	400	200	1.3	3.0	10	200 ¹⁾	150	DO-27
FR305G	3.0	600	200	1.3	3.0	10	200 ¹⁾	250	DO-27
FR306G	3.0	800	200	1.3	3.0	10	200 ¹⁾	500	DO-27
FR307G	3.0	1000	200	1.3	3.0	10	200 ¹⁾	500	DO-27
FR601G	6.0	50	300	1.3	6.0	10	200 ¹⁾	150	R-6
FR602G	6.0	100	300	1.3	6.0	10	200 ¹⁾	150	R-6
FR603G	6.0	200	300	1.3	6.0	10	200 ¹⁾	150	R-6
FR604G	6.0	400	300	1.3	6.0	10	200 ¹⁾	150	R-6
FR605G	6.0	600	300	1.3	6.0	10	200 ¹⁾	250	R-6
FR606G	6.0	800	300	1.3	6.0	10	200 ¹⁾	500	R-6
FR607G	6.0	1000	300	1.3	6.0	10	200 ¹⁾	500	R-6

Note: 1) $T_A=125^{\circ}C$



DO-27



R-6

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
UF07A	0.7	50	20	1.0	0.7	10	200 ¹⁾	50	SOD-123FL
UF07B	0.7	100	20	1.0	0.7	10	200 ¹⁾	50	SOD-123FL
UF07D	0.7	200	20	1.0	0.7	10	200 ¹⁾	50	SOD-123FL
UF07G	0.7	400	20	1.4	0.7	10	200 ¹⁾	50	SOD-123FL
UF07J	0.7	600	20	1.7	0.7	10	200 ¹⁾	75	SOD-123FL
UF07K	0.7	800	20	1.7	0.7	10	200 ¹⁾	75	SOD-123FL
UF07M	0.7	1000	20	1.7	0.7	10	200 ¹⁾	75	SOD-123FL
SOD1H1	1.0	50	25	1.0	1.0	10	200 ¹⁾	50	SOD-123FL
SOD1H2	1.0	100	25	1.0	1.0	10	200 ¹⁾	50	SOD-123FL
SOD1H3	1.0	200	25	1.0	1.0	10	200 ¹⁾	50	SOD-123FL
SOD1H4	1.0	300	25	1.3	1.0	10	200 ¹⁾	50	SOD-123FL
SOD1H5	1.0	400	25	1.3	1.0	10	200 ¹⁾	50	SOD-123FL
SOD1H6	1.0	600	25	1.7	1.0	10	200 ¹⁾	75	SOD-123FL
SOD1H7	1.0	800	25	1.7	1.0	10	200 ¹⁾	75	SOD-123FL
SOD1H8	1.0	1000	25	1.7	1.0	10	200 ¹⁾	75	SOD-123FL
SUF4001	1.0	50	30	1.0	1.0	10	200 ¹⁾	50	DO-213AB
SUF4002	1.0	100	30	1.0	1.0	10	200 ¹⁾	50	DO-213AB
SUF4003	1.0	200	30	1.0	1.0	10	200 ¹⁾	50	DO-213AB
SUF4004	1.0	400	30	1.4	1.0	10	200 ¹⁾	50	DO-213AB
SUF4005	1.0	600	30	1.7	1.0	10	200 ¹⁾	75	DO-213AB
SUF4006	1.0	800	30	1.7	1.0	10	200 ¹⁾	75	DO-213AB
SUF4007	1.0	1000	30	1.7	1.0	10	200 ¹⁾	75	DO-213AB
US1A	1.0	50	30	1.0	1.0	5.0	50 ¹⁾	50	SMA
US1B	1.0	100	30	1.0	1.0	5.0	50 ¹⁾	50	SMA
US1D	1.0	200	30	1.0	1.0	5.0	50 ¹⁾	50	SMA
US1G	1.0	400	30	1.0	1.0	5.0	50 ¹⁾	50	SMA
US1J	1.0	600	30	1.7	1.0	5.0	50 ¹⁾	75	SMA
US1K	1.0	800	30	1.7	1.0	5.0	50 ¹⁾	75	SMA
US1M	1.0	1000	30	1.7	1.0	5.0	50 ¹⁾	75	SMA
UF1A	1.0	50	30	1.0	1.0	10	100 ¹⁾	50	SMA
UF1B	1.0	100	30	1.0	1.0	10	100 ¹⁾	50	SMA
UF1D	1.0	200	30	1.0	1.0	10	100 ¹⁾	50	SMA
UF1G	1.0	400	30	1.4	1.0	10	100 ¹⁾	50	SMA
UF1J	1.0	600	30	1.7	1.0	10	100 ¹⁾	75	SMA
UF1K	1.0	800	30	1.7	1.0	10	100 ¹⁾	75	SMA
UF1M	1.0	1000	30	1.7	1.0	10	100 ¹⁾	75	SMA

Note: 1) $T_A=125^{\circ}C$



SOD-123FL



DO-213AB



SMA / DO-214AC

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
US2AA	2.0	50	50	1.0	2.0	10	200 ¹⁾	50	SMA
US2BA	2.0	100	50	1.0	2.0	10	200 ¹⁾	50	SMA
US2DA	2.0	200	50	1.0	2.0	10	200 ¹⁾	50	SMA
US2GA	2.0	400	50	1.0	2.0	10	200 ¹⁾	50	SMA
US2JA	2.0	600	50	1.7	2.0	10	200 ¹⁾	75	SMA
US2KA	2.0	800	50	1.7	2.0	10	200 ¹⁾	75	SMA
US2MA	2.0	1000	50	1.7	2.0	10	200 ¹⁾	75	SMA
UF2A	2.0	50	50	1.0	2.0	10	100 ¹⁾	50	SMB
UF2B	2.0	100	50	1.0	2.0	10	100 ¹⁾	50	SMB
UF2D	2.0	200	50	1.0	2.0	10	100 ¹⁾	50	SMB
UF2G	2.0	400	50	1.4	2.0	10	100 ¹⁾	50	SMB
UF2J	2.0	600	50	1.7	2.0	10	100 ¹⁾	75	SMB
UF2K	2.0	800	50	1.7	2.0	10	100 ¹⁾	75	SMB
UF2M	2.0	1000	50	1.7	2.0	10	100 ¹⁾	75	SMB
US2A	2.0	50	50	1.0	2.0	10	200 ¹⁾	50	SMB
US2B	2.0	100	50	1.0	2.0	10	200 ¹⁾	50	SMB
US2D	2.0	200	50	1.0	2.0	10	200 ¹⁾	50	SMB
US2G	2.0	400	50	1.0	2.0	10	200 ¹⁾	50	SMB
US2J	2.0	600	50	1.7	2.0	10	200 ¹⁾	75	SMB
US2K	2.0	800	50	1.7	2.0	10	200 ¹⁾	75	SMB
US2M	2.0	1000	50	1.7	2.0	10	200 ¹⁾	75	SMB
UF3AB	3.0	50	100	1.0	3.0	10	300 ¹⁾	50	SMB
UF3BB	3.0	100	100	1.0	3.0	10	300 ¹⁾	50	SMB
UF3DB	3.0	200	100	1.0	3.0	10	300 ¹⁾	50	SMB
UF3GB	3.0	400	100	1.4	3.0	10	300 ¹⁾	50	SMB
UF3JB	3.0	600	100	1.7	3.0	10	300 ¹⁾	75	SMB
UF3KB	3.0	800	100	1.7	3.0	10	300 ¹⁾	75	SMB
UF3MB	3.0	1000	100	1.7	3.0	10	300 ¹⁾	75	SMB
US3AB	3.0	50	100	1.0	3.0	10	300 ¹⁾	50	SMB
US3BB	3.0	100	100	1.0	3.0	10	300 ¹⁾	50	SMB
US3DB	3.0	200	100	1.0	3.0	10	300 ¹⁾	50	SMB
US3GB	3.0	400	100	1.0	3.0	10	300 ¹⁾	50	SMB
US3JB	3.0	600	100	1.7	3.0	10	300 ¹⁾	75	SMB
US3KB	3.0	800	100	1.7	3.0	10	300 ¹⁾	75	SMB
US3MB	3.0	1000	100	1.7	3.0	10	300 ¹⁾	75	SMB
UF3A	3.0	50	100	1.0	3.0	10	300 ¹⁾	50	SMC

Note: 1) $T_A=125^{\circ}C$



SMA / DO-214AC



SMB / DO-214AA



SMC / DO-214AB

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
UF3B	3.0	100	100	1.0	3.0	10	300 ¹⁾	50	SMC
UF3D	3.0	200	100	1.0	3.0	10	300 ¹⁾	50	SMC
UF3G	3.0	400	100	1.4	3.0	10	300 ¹⁾	50	SMC
UF3J	3.0	600	100	1.7	3.0	10	300 ¹⁾	75	SMC
UF3K	3.0	800	100	1.7	3.0	10	300 ¹⁾	75	SMC
UF3M	3.0	1000	100	1.7	3.0	10	300 ¹⁾	75	SMC
UF5AC	5.0	50	100	1.0	5.0	10	300 ¹⁾	50	SMC
UF5BC	5.0	100	100	1.0	5.0	10	300 ¹⁾	50	SMC
UF5DC	5.0	200	100	1.0	5.0	10	300 ¹⁾	50	SMC
UF5GC	5.0	400	100	1.4	5.0	10	300 ¹⁾	50	SMC
UF5JC	5.0	600	100	1.7	5.0	10	300 ¹⁾	75	SMC
UF5KC	5.0	800	100	1.7	5.0	10	300 ¹⁾	75	SMC
UF5MC	5.0	1000	100	1.7	5.0	10	300 ¹⁾	75	SMC
US3A	3.0	50	100	1.0	3.0	10	300 ¹⁾	50	SMC
US3B	3.0	100	100	1.0	3.0	10	300 ¹⁾	50	SMC
US3D	3.0	200	100	1.0	3.0	10	300 ¹⁾	50	SMC
US3G	3.0	400	100	1.0	3.0	10	300 ¹⁾	50	SMC
US3J	3.0	600	100	1.7	3.0	10	300 ¹⁾	75	SMC
US3K	3.0	800	100	1.7	3.0	10	300 ¹⁾	75	SMC
US3M	3.0	1000	100	1.7	3.0	10	300 ¹⁾	75	SMC
US5AC	5.0	50	100	1.0	5.0	10	300 ¹⁾	50	SMC
US5BC	5.0	100	100	1.0	5.0	10	300 ¹⁾	50	SMC
US5DC	5.0	200	100	1.0	5.0	10	300 ¹⁾	50	SMC
US5GC	5.0	400	100	1.4	5.0	10	300 ¹⁾	50	SMC
US5JC	5.0	600	100	1.7	5.0	10	300 ¹⁾	75	SMC
US5KC	5.0	800	100	1.7	5.0	10	300 ¹⁾	75	SMC
US5MC	5.0	1000	100	1.7	5.0	10	300 ¹⁾	75	SMC
Leaded Rectifiers									
1H1	1.0	50	30	1.0	1.0	5.0	100	50	R-1
1H2	1.0	100	30	1.0	1.0	5.0	100	50	R-1
1H3	1.0	200	30	1.0	1.0	5.0	100	50	R-1
1H4	1.0	300	30	1.3	1.0	5.0	100	50	R-1
1H5	1.0	400	30	1.3	1.0	5.0	100	50	R-1
1H5P	1.0	400	30	1.0	1.0	5.0	100	50	R-1
1H6	1.0	600	30	1.7	1.0	5.0	100	70	R-1
1H7	1.0	800	30	1.7	1.0	5.0	100	70	R-1
1H8	1.0	1000	30	1.7	1.0	5.0	100	70	R-1

Note: 1) $T_A=125^{\circ}C$



SMC / DO-214AB



R-1

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
HER101L	1.0	50	30	1.0	1.0	5.0	100	50	A-405
HER102L	1.0	100	30	1.0	1.0	5.0	100	50	A-405
HER103L	1.0	200	30	1.0	1.0	5.0	100	50	A-405
HER104L	1.0	300	30	1.3	1.0	5.0	100	50	A-405
HER105L	1.0	400	30	1.3	1.0	5.0	100	50	A-405
HER105PL	1.0	400	30	1.0	1.0	5.0	100	50	A-405
HER106L	1.0	600	30	1.7	1.0	5.0	100	70	A-405
HER107L	1.0	800	30	1.7	1.0	5.0	100	70	A-405
HER108L	1.0	1000	30	1.7	1.0	5.0	100	70	A-405
HER101	1.0	50	30	1.0	1.0	5.0	100	50	DO-41
HER102	1.0	100	30	1.0	1.0	5.0	100	50	DO-41
HER103	1.0	200	30	1.0	1.0	5.0	100	50	DO-41
HER104	1.0	300	30	1.3	1.0	5.0	100	50	DO-41
HER105	1.0	400	30	1.3	1.0	5.0	100	50	DO-41
HER105P	1.0	400	30	1.0	1.0	5.0	100	50	DO-41
HER106	1.0	600	30	1.7	1.0	5.0	100	70	DO-41
HER107	1.0	800	30	1.7	1.0	5.0	100	70	DO-41
HER108	1.0	1000	30	1.7	1.0	5.0	100	70	DO-41
UF4001	1.0	50	30	1.0	1.0	10	100	50	DO-41
UF4002	1.0	100	30	1.0	1.0	10	100	50	DO-41
UF4003	1.0	200	30	1.0	1.0	10	100	50	DO-41
UF4004	1.0	400	30	1.0	1.0	10	100	50	DO-41
UF4005	1.0	600	30	1.7	1.0	10	100	75	DO-41
UF4006	1.0	800	30	1.7	1.0	10	100	75	DO-41
UF4007	1.0	1000	30	1.7	1.0	10	100	75	DO-41
HER151	1.5	50	50	1.0	1.5	5.0	100	50	DO-15
HER152	1.5	100	50	1.0	1.5	5.0	100	50	DO-15
HER153	1.5	200	50	1.0	1.5	5.0	100	50	DO-15
HER154	1.5	300	50	1.3	1.5	5.0	100	50	DO-15
HER155	1.5	400	50	1.3	1.5	5.0	100	50	DO-15
HER155P	1.5	400	50	1.0	1.5	5.0	100	50	DO-15
HER156	1.5	600	50	1.7	1.5	5.0	100	70	DO-15
HER157	1.5	800	50	1.7	1.5	5.0	100	70	DO-15
HER158	1.5	1000	50	1.7	1.5	5.0	100	70	DO-15
HER201	2.0	50	60	1.0	2.0	5.0	100	50	DO-15
HER202	2.0	100	60	1.0	2.0	5.0	100	50	DO-15



A-405



DO-41



DO-15

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
HER203	2.0	200	60	1.0	2.0	5.0	100	50	DO-15
HER204	2.0	300	60	1.3	2.0	5.0	100	50	DO-15
HER205	2.0	400	60	1.3	2.0	5.0	100	50	DO-15
HER205P	2.0	400	60	1.0	2.0	5.0	100	50	DO-15
HER206	2.0	600	60	1.7	2.0	5.0	100	70	DO-15
HER207	2.0	800	60	1.7	2.0	5.0	100	70	DO-15
HER208	2.0	1000	60	1.7	2.0	5.0	100	70	DO-15
HER301	3.0	50	200	1.0	3.0	10	150	50	DO-27
HER302	3.0	100	200	1.0	3.0	10	150	50	DO-27
HER303	3.0	200	200	1.0	3.0	10	150	50	DO-27
HER304	3.0	300	200	1.3	3.0	10	150	50	DO-27
HER305	3.0	400	200	1.3	3.0	10	150	50	DO-27
HER305P	3.0	400	200	1.0	3.0	10	150	50	DO-27
HER306	3.0	600	150	1.7	3.0	10	150	70	DO-27
HER307	3.0	800	150	1.7	3.0	10	150	70	DO-27
HER308	3.0	1000	150	1.7	3.0	10	150	70	DO-27
UF5400	3.0	50	150	1.0	3.0	10	100	50	DO-27
UF5401	3.0	100	150	1.0	3.0	10	100	50	DO-27
UF5402	3.0	200	150	1.0	3.0	10	100	50	DO-27
UF5403	3.0	300	150	1.0	3.0	10	100	50	DO-27
UF5404	3.0	400	150	1.0	3.0	10	100	50	DO-27
UF5405	3.0	500	150	1.7	3.0	10	100	75	DO-27
UF5406	3.0	600	150	1.7	3.0	10	100	75	DO-27
UF5407	3.0	800	150	1.7	3.0	10	100	75	DO-27
UF5408	3.0	1000	150	1.7	3.0	10	100	75	DO-27
HER501	5.0	50	200	1.0	5.0	10	150	50	DO-27
HER502	5.0	100	200	1.0	5.0	10	150	50	DO-27
HER503	5.0	200	200	1.0	5.0	10	150	50	DO-27
HER504	5.0	300	200	1.3	5.0	10	150	50	DO-27
HER505	5.0	400	200	1.3	5.0	10	150	50	DO-27
HER505P	5.0	400	200	1.0	5.0	10	150	50	DO-27
HER506	5.0	600	150	1.7	5.0	10	150	70	DO-27
HER507	5.0	800	150	1.7	5.0	10	150	70	DO-27
HER508	5.0	1000	150	1.7	5.0	10	150	70	DO-27
HER601S	6.0	50	200	1.0	6.0	10	150	50	R-5
HER602S	6.0	100	200	1.0	6.0	10	150	50	R-5



DO-15



DO-27

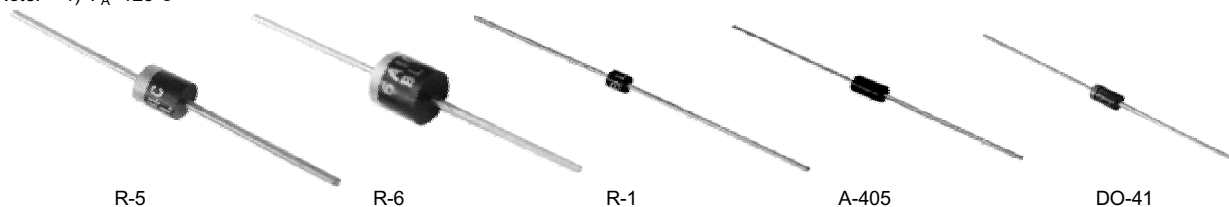


R-5

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
HER603S	6.0	200	200	1.0	6.0	10	150	50	R-5
HER604S	6.0	300	200	1.3	6.0	10	150	50	R-5
HER605S	6.0	400	200	1.3	6.0	10	150	50	R-5
HER605PS	6.0	400	200	1.0	6.0	10	150	50	R-5
HER606S	6.0	600	200	1.7	6.0	10	150	75	R-5
HER607S	6.0	800	200	1.7	6.0	10	150	75	R-5
HER608S	6.0	1000	200	1.7	6.0	10	150	75	R-5
HER601	6.0	50	200	1.0	6.0	10	150	50	R-6
HER602	6.0	100	200	1.0	6.0	10	150	50	R-6
HER603	6.0	200	200	1.0	6.0	10	150	50	R-6
HER604	6.0	300	200	1.3	6.0	10	150	50	R-6
HER605	6.0	400	200	1.3	6.0	10	150	50	R-6
HER605P	6.0	400	200	1.0	6.0	10	150	50	R-6
HER606	6.0	600	200	1.7	6.0	10	150	75	R-6
HER607	6.0	800	200	1.7	6.0	10	150	75	R-6
HER608	6.0	1000	200	1.7	6.0	10	150	75	R-6
1H1G	1.0	50	25	1.0	1.0	5.0	100 ¹⁾	50	R-1
1H2G	1.0	100	25	1.0	1.0	5.0	100 ¹⁾	50	R-1
1H3G	1.0	200	25	1.0	1.0	5.0	100 ¹⁾	50	R-1
1H4G	1.0	300	25	1.3	1.0	5.0	100 ¹⁾	50	R-1
1H5G	1.0	400	25	1.3	1.0	5.0	100 ¹⁾	50	R-1
1H6G	1.0	600	25	1.7	1.0	5.0	100 ¹⁾	70	R-1
1H7G	1.0	800	25	1.7	1.0	5.0	100 ¹⁾	70	R-1
1H8G	1.0	1000	25	1.7	1.0	5.0	100 ¹⁾	70	R-1
HER101GL	1.0	50	30	1.0	1.0	5.0	100 ¹⁾	50	A-405
HER102GL	1.0	100	30	1.0	1.0	5.0	100 ¹⁾	50	A-405
HER103GL	1.0	200	30	1.0	1.0	5.0	100 ¹⁾	50	A-405
HER104GL	1.0	300	30	1.3	1.0	5.0	100 ¹⁾	50	A-405
HER105GL	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	50	A-405
HER106GL	1.0	600	30	1.7	1.0	5.0	100 ¹⁾	70	A-405
HER107GL	1.0	800	30	1.7	1.0	5.0	100 ¹⁾	70	A-405
HER108GL	1.0	1000	30	1.7	1.0	5.0	100 ¹⁾	70	A-405
HER101G	1.0	50	30	1.0	1.0	5.0	100 ¹⁾	50	DO-41
HER102G	1.0	100	30	1.0	1.0	5.0	100 ¹⁾	50	DO-41
HER103G	1.0	200	30	1.0	1.0	5.0	100 ¹⁾	50	DO-41
HER104G	1.0	300	30	1.3	1.0	5.0	100 ¹⁾	50	DO-41

Note: 1) $T_A=125^{\circ}C$



R-5

R-6

R-1

A-405

DO-41

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
HER105G	1.0	400	30	1.3	1.0	5.0	100 ¹⁾	50	DO-41
HER106G	1.0	600	30	1.7	1.0	5.0	100 ¹⁾	70	DO-41
HER107G	1.0	800	30	1.7	1.0	5.0	100 ¹⁾	70	DO-41
HER108G	1.0	1000	30	1.7	1.0	5.0	100 ¹⁾	70	DO-41
UF4001G	1.0	50	30	1.0	1.0	10	100 ¹⁾	50	DO-41
UF4002G	1.0	100	30	1.0	1.0	10	100 ¹⁾	50	DO-41
UF4003G	1.0	200	30	1.0	1.0	10	100 ¹⁾	50	DO-41
UF4004G	1.0	400	30	1.0	1.0	10	100 ¹⁾	50	DO-41
UF4005G	1.0	600	30	1.7	1.0	10	100 ¹⁾	70	DO-41
UF4006G	1.0	800	30	1.7	1.0	10	100 ¹⁾	70	DO-41
UF4007G	1.0	1000	30	1.7	1.0	10	100 ¹⁾	70	DO-41
HER201G	2.0	50	60	1.0	2.0	5.0	100 ¹⁾	50	DO-15
HER202G	2.0	100	60	1.0	2.0	5.0	100 ¹⁾	50	DO-15
HER203G	2.0	200	60	1.0	2.0	5.0	100 ¹⁾	50	DO-15
HER204G	2.0	300	60	1.3	2.0	5.0	100 ¹⁾	50	DO-15
HER205G	2.0	400	60	1.3	2.0	5.0	100 ¹⁾	50	DO-15
HER206G	2.0	600	60	1.7	2.0	5.0	100 ¹⁾	75	DO-15
HER207G	2.0	800	60	1.7	2.0	5.0	100 ¹⁾	75	DO-15
HER208G	2.0	1000	60	1.7	2.0	5.0	100 ¹⁾	75	DO-15
HER301G	3.0	50	200	1.0	3.0	10	150 ¹⁾	50	DO-27
HER302G	3.0	100	200	1.0	3.0	10	150 ¹⁾	50	DO-27
HER303G	3.0	200	200	1.0	3.0	10	150 ¹⁾	50	DO-27
HER304G	3.0	300	200	1.3	3.0	10	150 ¹⁾	50	DO-27
HER305G	3.0	400	200	1.3	3.0	10	150 ¹⁾	50	DO-27
HER306G	3.0	600	150	1.7	3.0	10	150 ¹⁾	70	DO-27
HER307G	3.0	800	150	1.7	3.0	10	150 ¹⁾	70	DO-27
HER308G	3.0	1000	150	1.7	3.0	10	150 ¹⁾	70	DO-27
UF5400G	3.0	50	150	1.0	3.0	10	100 ¹⁾	50	DO-27
UF5401G	3.0	100	150	1.0	3.0	10	100 ¹⁾	50	DO-27
UF5402G	3.0	200	150	1.0	3.0	10	100 ¹⁾	50	DO-27
UF5403G	3.0	300	150	1.0	3.0	10	100 ¹⁾	50	DO-27
UF5404G	3.0	400	150	1.0	3.0	10	100 ¹⁾	50	DO-27
UF5405G	3.0	400	150	1.7	3.0	10	100 ¹⁾	75	DO-27
UF5406G	3.0	600	150	1.7	3.0	10	100 ¹⁾	75	DO-27
UF5407G	3.0	800	150	1.7	3.0	10	100 ¹⁾	75	DO-27
UF5408G	3.0	1000	150	1.7	3.0	10	100 ¹⁾	75	DO-27

Note: 1) $T_A=125^{\circ}C$



DO-41



DO-15



DO-27

High efficiency rectifiers & Ultra fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
HER601G	6.0	50	200	1.0	6.0	10	150 ¹⁾	50	R-6
HER602G	6.0	100	200	1.0	6.0	10	150 ¹⁾	50	R-6
HER603G	6.0	200	200	1.0	6.0	10	150 ¹⁾	50	R-6
HER604G	6.0	300	200	1.3	6.0	10	150 ¹⁾	50	R-6
HER605G	6.0	400	200	1.3	6.0	10	150 ¹⁾	50	R-6
HER606G	6.0	600	200	1.7	6.0	10	150 ¹⁾	75	R-6
HER607G	6.0	800	200	1.7	6.0	10	150 ¹⁾	75	R-6
HER608G	6.0	1000	200	1.7	6.0	10	150 ¹⁾	75	R-6

Note: 1) $T_A=125^{\circ}C$



R-6

Super fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
ES07B	1.0	100	30	0.98	1.0	10	100 ¹⁾	25	SOD-123FL
ES07D	1.0	200	30	0.98	1.0	10	100 ¹⁾	25	SOD-123FL
ER07A	0.7	50	20	0.95	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07B	0.7	100	20	0.95	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07C	0.7	150	20	0.95	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07D	0.7	200	20	0.95	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07E	0.7	300	20	1.25	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07G	0.7	400	20	1.25	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07H	0.7	500	20	1.70	0.7	5.0	150 ¹⁾	35	SOD-123FL
ER07J	0.7	600	20	1.70	0.7	5.0	150 ¹⁾	35	SOD-123FL
SOD1E1	1.0	50	25	0.95	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E2	1.0	100	25	0.95	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E3	1.0	150	25	0.95	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E4	1.0	200	25	0.95	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E5	1.0	300	25	1.25	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E6	1.0	400	25	1.25	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E7	1.0	500	25	1.70	1.0	5.0	150 ¹⁾	35	SOD-123FL
SOD1E8	1.0	600	25	1.70	1.0	5.0	150 ¹⁾	35	SOD-123FL
EGL1A	1.0	50	30	1.25	1.0	5.0	50 ¹⁾	50	DO-213AA
EGL1B	1.0	100	30	1.25	1.0	5.0	50 ¹⁾	50	DO-213AA
EGL1D	1.0	200	30	1.25	1.0	5.0	50 ¹⁾	50	DO-213AA
EGL1F	1.0	300	30	1.35	1.0	5.0	50 ¹⁾	50	DO-213AA
EGL1G	1.0	400	30	1.35	1.0	5.0	50 ¹⁾	50	DO-213AA
EGL1H	1.0	500	30	1.70	1.0	5.0	50 ¹⁾	50	DO-213AA
EGL1J	1.0	600	30	1.70	1.0	5.0	50 ¹⁾	50	DO-213AA
ER1A	1.0	50	30	0.95	1.0	5.0	100 ¹⁾	35	SMA
ER1B	1.0	100	30	0.95	1.0	5.0	100 ¹⁾	35	SMA
ER1C	1.0	150	30	0.95	1.0	5.0	100 ¹⁾	35	SMA
ER1D	1.0	200	30	0.95	1.0	5.0	100 ¹⁾	35	SMA
ER1E	1.0	300	30	1.25	1.0	5.0	100 ¹⁾	35	SMA
ER1G	1.0	400	30	1.25	1.0	5.0	100 ¹⁾	35	SMA
ER1H	1.0	500	30	1.70	1.0	5.0	100 ¹⁾	35	SMA
ER1J	1.0	600	30	1.70	1.0	5.0	100 ¹⁾	35	SMA
ER2AA	2.0	50	50	0.95	2.0	5.0	200 ¹⁾	35	SMA
ER2BA	2.0	100	50	0.95	2.0	5.0	200 ¹⁾	35	SMA
ER2CA	2.0	150	50	0.95	2.0	5.0	200 ¹⁾	35	SMA

Note: 1) $T_A=125^{\circ}C$



SOD-123FL



DO-213AA



SMA / DO-214AC

Super fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
ER2DA	2.0	200	50	0.95	2.0	5.0	200 ¹⁾	35	SMA
ER2EA	2.0	300	50	1.25	2.0	5.0	200 ¹⁾	35	SMA
ER2GA	2.0	400	50	1.25	2.0	5.0	200 ¹⁾	35	SMA
ER2HA	2.0	500	50	1.70	2.0	5.0	200 ¹⁾	35	SMA
ER2JA	2.0	600	50	1.70	2.0	5.0	200 ¹⁾	35	SMA
ER2A	2.0	50	50	0.95	2.0	5.0	200 ¹⁾	35	SMB
ER2B	2.0	100	50	0.95	2.0	5.0	200 ¹⁾	35	SMB
ER2C	2.0	150	50	0.95	2.0	5.0	200 ¹⁾	35	SMB
ER2D	2.0	200	50	0.95	2.0	5.0	200 ¹⁾	35	SMB
ER2E	2.0	300	50	1.25	2.0	5.0	200 ¹⁾	35	SMB
ER2G	2.0	400	50	1.25	2.0	5.0	200 ¹⁾	35	SMB
ER2H	2.0	500	50	1.70	2.0	5.0	200 ¹⁾	35	SMB
ER2J	2.0	600	50	1.70	2.0	5.0	200 ¹⁾	35	SMB
ER3AB	3.0	50	100	0.95	3.0	5.0	300 ¹⁾	35	SMB
ER3BB	3.0	100	100	0.95	3.0	5.0	300 ¹⁾	35	SMB
ER3CB	3.0	150	100	0.95	3.0	5.0	300 ¹⁾	35	SMB
ER3DB	3.0	200	100	0.95	3.0	5.0	300 ¹⁾	35	SMB
ER3EB	3.0	300	100	1.25	3.0	5.0	300 ¹⁾	35	SMB
ER3GB	3.0	400	100	1.25	3.0	5.0	300 ¹⁾	35	SMB
ER3HB	3.0	500	100	1.70	3.0	5.0	300 ¹⁾	35	SMB
ER3JB	3.0	600	100	1.70	3.0	5.0	300 ¹⁾	35	SMB
ER3A	3.0	50	100	0.95	3.0	5.0	300 ¹⁾	35	SMC
ER3B	3.0	100	100	0.95	3.0	5.0	300 ¹⁾	35	SMC
ER3C	3.0	150	100	0.95	3.0	5.0	300 ¹⁾	35	SMC
ER3D	3.0	200	100	0.95	3.0	5.0	300 ¹⁾	35	SMC
ER3E	3.0	300	100	1.25	3.0	5.0	300 ¹⁾	35	SMC
ER3G	3.0	400	100	1.25	3.0	5.0	300 ¹⁾	35	SMC
ER3H	3.0	500	100	1.70	3.0	5.0	300 ¹⁾	35	SMC
ER3J	3.0	600	100	1.70	3.0	5.0	300 ¹⁾	35	SMC
ES1A	1.0	50	30	0.98	1.0	5.0	200 ¹⁾	25	SMA
ES1B	1.0	100	30	0.98	1.0	5.0	200 ¹⁾	25	SMA
ES1C	1.0	150	30	0.98	1.0	5.0	200 ¹⁾	25	SMA
ES1D	1.0	200	30	0.98	1.0	5.0	200 ¹⁾	25	SMA
ES1G	1.0	400	30	1.25	1.0	5.0	200 ¹⁾	35	SMA
ES1H	1.0	500	30	1.70	1.0	5.0	200 ¹⁾	35	SMA
ES1J	1.0	600	30	1.70	1.0	5.0	200 ¹⁾	35	SMA

Note: 1) $T_A=125^{\circ}C$



SMA / DO-214AC



SMB / DO-214AA



SMC / DO-214AB

Super fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Surface Mount Rectifiers									
ES2AA	2.0	50	50	0.92	2.0	5.0	350 ¹⁾	25	SMA
ES2BA	2.0	100	50	0.92	2.0	5.0	350 ¹⁾	25	SMA
ES2CA	2.0	150	50	0.92	2.0	5.0	350 ¹⁾	25	SMA
ES2DA	2.0	200	50	0.92	2.0	5.0	350 ¹⁾	25	SMA
ES2GA	2.0	400	50	1.25	2.0	5.0	350 ¹⁾	35	SMA
ES2HA	2.0	500	50	1.70	2.0	5.0	350 ¹⁾	35	SMA
ES2JA	2.0	600	50	1.70	2.0	5.0	350 ¹⁾	35	SMA
ES2A	2.0	50	50	0.92	2.0	5.0	350 ¹⁾	25	SMB
ES2B	2.0	100	50	0.92	2.0	5.0	350 ¹⁾	25	SMB
ES2C	2.0	150	50	0.92	2.0	5.0	350 ¹⁾	25	SMB
ES2D	2.0	200	50	0.92	2.0	5.0	350 ¹⁾	25	SMB
ES2G	2.0	400	50	1.25	2.0	5.0	350 ¹⁾	35	SMB
ES2H	2.0	500	50	1.70	2.0	5.0	350 ¹⁾	35	SMB
ES2J	2.0	600	50	1.70	2.0	5.0	350 ¹⁾	35	SMB
ES3AB	3.0	50	100	0.90	3.0	10	500 ¹⁾	25	SMB
ES3BB	3.0	100	100	0.90	3.0	10	500 ¹⁾	25	SMB
ES3CB	3.0	150	100	0.90	3.0	10	500 ¹⁾	25	SMB
ES3DB	3.0	200	100	0.90	3.0	10	500 ¹⁾	25	SMB
ES3GB	3.0	400	100	1.25	3.0	10	500 ¹⁾	35	SMB
ES3HB	3.0	500	100	1.70	3.0	10	500 ¹⁾	35	SMB
ES3JB	3.0	600	100	1.70	3.0	10	500 ¹⁾	35	SMB
ES3A	3.0	50	100	0.90	3.0	10	500 ¹⁾	25	SMC
ES3B	3.0	100	100	0.90	3.0	10	500 ¹⁾	25	SMC
ES3C	3.0	150	100	0.90	3.0	10	500 ¹⁾	25	SMC
ES3D	3.0	200	100	0.90	3.0	10	500 ¹⁾	25	SMC
ES3G	3.0	400	100	1.25	3.0	10	500 ¹⁾	35	SMC
ES3H	3.0	500	100	1.70	3.0	10	500 ¹⁾	35	SMC
ES3J	3.0	600	100	1.70	3.0	10	500 ¹⁾	35	SMC
Leaded Rectifiers									
1E1	1.0	50	30	0.95	1.0	5.0	150	35	R-1
1E2	1.0	100	30	0.95	1.0	5.0	150	35	R-1
1E3	1.0	150	30	0.95	1.0	5.0	150	35	R-1
1E4	1.0	200	30	0.95	1.0	5.0	150	35	R-1
1E5	1.0	300	30	1.25	1.0	5.0	150	35	R-1
1E6	1.0	400	30	1.25	1.0	5.0	150	35	R-1
1E7	1.0	600	30	1.70	1.0	5.0	150	35	R-1
1E8	1.0	800	30	1.70	1.0	5.0	150	35	R-1

Note: 1) $T_A=125^{\circ}C$



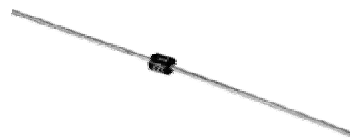
SMA / DO-214AC



SMB / DO-214AA



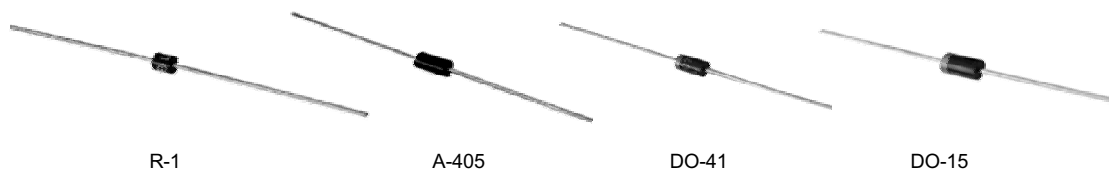
SMC / DO-214AB



R-1

Super fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
1E9	1.0	1000	30	1.70	1.0	5.0	150	35	R-1
ER100L	1.0	50	30	0.95	1.0	5.0	150	35	A-405
ER101L	1.0	100	30	0.95	1.0	5.0	150	35	A-405
ER101AL	1.0	150	30	0.95	1.0	5.0	150	35	A-405
ER102L	1.0	200	30	0.95	1.0	5.0	150	35	A-405
ER103L	1.0	300	30	1.25	1.0	5.0	150	35	A-405
ER104L	1.0	400	30	1.25	1.0	5.0	150	35	A-405
ER106L	1.0	600	30	1.70	1.0	5.0	150	35	A-405
SF11L	1.0	50	30	0.95	1.0	5.0	50	35	A-405
SF12L	1.0	100	30	0.95	1.0	5.0	50	35	A-405
SF13L	1.0	150	30	0.95	1.0	5.0	50	35	A-405
SF14L	1.0	200	30	0.95	1.0	5.0	50	35	A-405
SF15L	1.0	300	30	1.25	1.0	5.0	50	35	A-405
SF16L	1.0	400	30	1.25	1.0	5.0	50	35	A-405
SF17L	1.0	600	30	1.70	1.0	10	100	35	A-405
SF18L	1.0	800	30	1.70	1.0	10	100	35	A-405
SF19L	1.0	1000	30	1.70	1.0	10	100	35	A-405
SF11	1.0	50	30	0.95	1.0	5.0	50	35	DO-41
SF12	1.0	100	30	0.95	1.0	5.0	50	35	DO-41
SF13	1.0	150	30	0.95	1.0	5.0	50	35	DO-41
SF14	1.0	200	30	0.95	1.0	5.0	50	35	DO-41
SF15	1.0	300	30	1.25	1.0	5.0	50	35	DO-41
SF16	1.0	400	30	1.25	1.0	5.0	50	35	DO-41
SF17	1.0	600	30	1.70	1.0	10	100	35	DO-41
SF18	1.0	800	30	1.70	1.0	10	100	35	DO-41
SF19	1.0	1000	30	1.70	1.0	10	100	35	DO-41
ER101	1.0	100	30	0.95	1.0	5.0	150	35	DO-41
ER102	1.0	200	30	0.95	1.0	5.0	150	35	DO-41
ER103	1.0	300	30	1.25	1.0	5.0	150	35	DO-41
ER104	1.0	400	30	1.25	1.0	5.0	150	35	DO-41
ER106	1.0	600	30	1.70	1.0	5.0	150	35	DO-41
SF21	2.0	50	50	0.95	2.0	5.0	50	35	DO-15
SF22	2.0	100	50	0.95	2.0	5.0	50	35	DO-15
SF23	2.0	150	50	0.95	2.0	5.0	50	35	DO-15
SF24	2.0	200	50	0.95	2.0	5.0	50	35	DO-15
SF25	2.0	300	50	1.25	2.0	5.0	50	35	DO-15



R-1

A-405

DO-41

DO-15

Super fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
SF26	2.0	400	50	1.25	2.0	5.0	50	35	DO-15
SF27	2.0	600	50	1.70	2.0	10	100	35	DO-15
SF28	2.0	800	50	1.70	2.0	10	100	35	DO-15
SF29	2.0	1000	50	1.70	2.0	10	100	35	DO-15
ER201	2.0	100	50	0.95	2.0	5.0	200	35	DO-15
ER202	2.0	200	50	0.95	2.0	5.0	200	35	DO-15
ER203	2.0	300	50	1.25	2.0	5.0	200	35	DO-15
ER204	2.0	400	50	1.25	2.0	5.0	200	35	DO-15
ER206	2.0	600	50	1.70	2.0	5.0	200	35	DO-15
SF31	3.0	50	125	0.95	3.0	5.0	50	35	DO-27
SF32	3.0	100	125	0.95	3.0	5.0	50	35	DO-27
SF33	3.0	150	125	0.95	3.0	5.0	50	35	DO-27
SF34	3.0	200	125	0.95	3.0	5.0	50	35	DO-27
SF35	3.0	300	125	1.25	3.0	5.0	50	35	DO-27
SF36	3.0	400	125	1.25	3.0	5.0	50	35	DO-27
ER301	3.0	100	150	0.95	3.0	5.0	300	35	DO-27
ER302	3.0	200	150	0.95	3.0	5.0	300	35	DO-27
ER303	3.0	300	150	1.25	3.0	5.0	300	35	DO-27
ER304	3.0	400	150	1.25	3.0	5.0	300	35	DO-27
ER306	3.0	600	150	1.70	3.0	5.0	300	35	DO-27
SF51	5.0	50	150	0.95	5.0	5.0	100	35	DO-27
SF52	5.0	100	150	0.95	5.0	5.0	100	35	DO-27
SF53	5.0	150	150	0.95	5.0	5.0	100	35	DO-27
SF54	5.0	200	150	0.95	5.0	5.0	100	35	DO-27
SF55	5.0	300	150	1.25	5.0	5.0	100	35	DO-27
SF56	5.0	400	150	1.25	5.0	5.0	100	35	DO-27
USF11	1.0	50	30	0.92	1.0	5.0	100	20	DO-41
USF12	1.0	100	30	0.92	1.0	5.0	100	20	DO-41
USF13	1.0	150	30	0.92	1.0	5.0	100	20	DO-41
USF14	1.0	200	30	0.92	1.0	5.0	100	20	DO-41
USF21	2.0	50	75	0.92	2.0	10	350	20	DO-15
USF22	2.0	100	75	0.92	2.0	10	350	20	DO-15
USF23	2.0	150	75	0.92	2.0	10	350	20	DO-15
USF24	2.0	200	75	0.92	2.0	10	350	20	DO-15
USF31	3.0	50	125	0.92	3.0	10	500	20	DO-27
USF32	3.0	100	125	0.92	3.0	10	500	20	DO-27



DO-15



DO-27

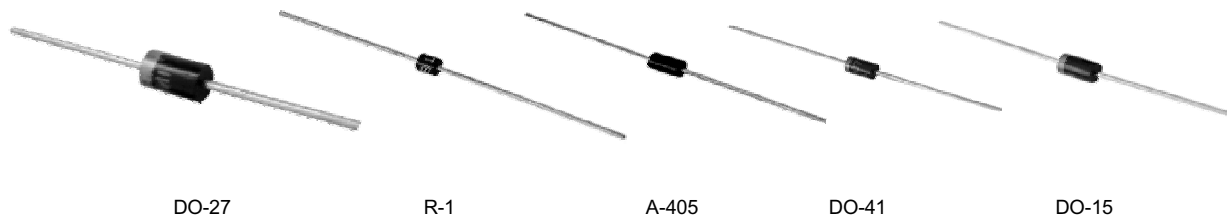


DO-41

Super fast rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C		
	A	V	A	V	A	μA	μA	ns	
Leaded Rectifiers									
USF33	3.0	150	125	0.92	3.0	10	500	20	DO-27
USF34	3.0	200	125	0.92	3.0	10	500	20	DO-27
1E1G	1.0	50	30	0.95	1.0	5.0	150 ¹⁾	35	R-1
1E2G	1.0	100	30	0.95	1.0	5.0	150 ¹⁾	35	R-1
1E3G	1.0	200	30	0.95	1.0	5.0	150 ¹⁾	35	R-1
1E4G	1.0	400	30	1.25	1.0	5.0	150 ¹⁾	35	R-1
1E5G	1.0	600	30	1.70	1.0	5.0	150 ¹⁾	35	R-1
1E6G	1.0	800	30	1.70	1.0	5.0	150 ¹⁾	35	R-1
SF11GL	1.0	50	30	0.95	1.0	5.0	50 ¹⁾	35	A-405
SF12GL	1.0	100	30	0.95	1.0	5.0	50 ¹⁾	35	A-405
SF13GL	1.0	150	30	0.95	1.0	5.0	50 ¹⁾	35	A-405
SF14GL	1.0	200	30	0.95	1.0	5.0	50 ¹⁾	35	A-405
SF15GL	1.0	300	30	1.25	1.0	5.0	50 ¹⁾	35	A-405
SF16GL	1.0	400	30	1.25	1.0	5.0	50 ¹⁾	35	A-405
SF11G	1.0	50	30	0.95	1.0	5.0	50 ¹⁾	35	DO-41
SF12G	1.0	100	30	0.95	1.0	5.0	50 ¹⁾	35	DO-41
SF13G	1.0	150	30	0.95	1.0	5.0	50 ¹⁾	35	DO-41
SF14G	1.0	200	30	0.95	1.0	5.0	50 ¹⁾	35	DO-41
SF15G	1.0	300	30	1.25	1.0	5.0	50 ¹⁾	35	DO-41
SF16G	1.0	400	30	1.25	1.0	5.0	50 ¹⁾	35	DO-41
SF21G	2.0	50	50	0.95	2.0	5.0	50 ¹⁾	35	DO-15
SF22G	2.0	100	50	0.95	2.0	5.0	50 ¹⁾	35	DO-15
SF23G	2.0	150	50	0.95	2.0	5.0	50 ¹⁾	35	DO-15
SF24G	2.0	200	50	0.95	2.0	5.0	50 ¹⁾	35	DO-15
SF25G	2.0	300	50	1.25	2.0	5.0	50 ¹⁾	35	DO-15
SF26G	2.0	400	50	1.25	2.0	5.0	50 ¹⁾	35	DO-15
SF31G	3.0	50	125	0.95	3.0	5.0	50 ¹⁾	35	DO-27
SF32G	3.0	100	125	0.95	3.0	5.0	50 ¹⁾	35	DO-27
SF33G	3.0	150	125	0.95	3.0	5.0	50 ¹⁾	35	DO-27
SF34G	3.0	200	125	0.95	3.0	5.0	50 ¹⁾	35	DO-27
SF35G	3.0	300	125	1.25	3.0	5.0	50 ¹⁾	35	DO-27
SF36G	3.0	400	125	1.25	3.0	5.0	50 ¹⁾	35	DO-27

Note: 1) $T_A=125^{\circ}C$



DO-27

R-1

A-405

DO-41

DO-15

Small signal schottky rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	I _{RM}	V _R	
	mA	V	A	V	mA	nA	V	
Surface Mount Rectifiers								
LL5711	15	70	2.0	1.00	15	200	50	SOD-80
LL5712	35	20	—	1.00	35	100	15	SOD-80
LL6263	15	60	2.0	1.00	15	200	50	SOD-80
LL41	100	100	0.75	1.00	200	100	50	SOD-80
LL42	200	30	4.0	0.65	50	500	50	SOD-80
LL43	200	30	4.0	0.45	15	500	50	SOD-80
LL45	60	15	0.06	1.00	30	100	6.0	SOD-80
LL46	150	100	0.75	1.00	250	2000	50	SOD-80
LL48	350	40	7.5	0.90	500	2500	40	SOD-80
BAS85	200	30	0.6	0.80	100	2000	25	SOD-80
BAS86	200	50	0.3	0.90	100	500	25	SOD-80
LL101A	30	60	2.0	1.00	15	200	50	SOD-80
LL101B	30	50	2.0	0.95	15	200	40	SOD-80
LL101C	30	40	2.0	0.90	15	200	30	SOD-80
LL103A	350	40	15	0.60	200	5000	30	SOD-80
LL103B	350	30	15	0.60	200	5000	20	SOD-80
LL103C	350	20	15	0.60	200	5000	10	SOD-80
Leaded Rectifiers								
1N5711	15	70	2.0	1.00	15	200	50	DO-35
1N5712	35	20	—	1.00	35	100	15	DO-35
1N6263	15	60	2.0	1.00	15	200	50	DO-35
1N60	30	40	0.15	1.00	30	500	15	DO-35
1N60P	50	45	0.50	1.00	200	1000	15	DO-35
MA700	30	15	0.15	1.00	30	100	15	DO-35
MA700A	30	30	0.15	1.00	30	150	30	DO-35
BAT41	100	100	0.75	1.00	200	100	50	DO-35
BAT42	200	30	4.00	0.65	50	500	25	DO-35
BAT43	200	30	4.00	0.45	15	500	25	DO-35
BAT45	60	15	0.06	1.00	30	100	6.0	DO-35
BAT46	150	100	0.75	1.00	250	2000	50	DO-35
BAT48	350	40	7.5	0.90	500	2500	40	DO-35
BAT85	200	30	0.6	0.80	100	2000	25	DO-35
BAT86	200	50	0.3	0.90	100	500	25	DO-35
SD101A	30	60	2.0	1.00	15	200	50	DO-35
SD101B	30	50	2.0	0.95	15	200	40	DO-35
SD101C	30	40	2.0	0.90	15	200	30	DO-35
SD103A	350	40	15	0.60	200	5000	30	DO-35
SD103B	350	30	15	0.60	200	5000	20	DO-35
SD103C	350	20	15	0.60	200	5000	10	DO-35


 SOD-80 / MINIMELF / LL34


 DO-35 / DO-204AH

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃	
	A	V	A	V	A	mA	mA	
Surface Mount Rectifiers								
MBRX0520	0.5	20	5.5	0.44	0.5	0.15	8.0 ¹⁾	SOD-123FL
MBRX0530	0.5	30	5.5	0.43	0.5	0.13	5.0 ¹⁾	SOD-123FL
MBRX0540	0.5	40	5.5	0.48	0.5	0.02	5.0 ¹⁾	SOD-123FL
MBRX120	1.0	20	20	0.45	1.0	0.3	5.0 ¹⁾	SOD-123FL
MBRX130	1.0	30	20	0.55	1.0	0.3	5.0 ¹⁾	SOD-123FL
MBRX140	1.0	40	20	0.55	1.0	0.3	5.0 ¹⁾	SOD-123FL
MBRX160	1.0	60	20	0.72	1.0	0.3	5.0 ¹⁾	SOD-123FL
MBRX180	1.0	80	20	0.85	1.0	0.3	5.0 ¹⁾	SOD-123FL
MBRX1A0	1.0	100	20	0.85	1.0	0.3	5.0 ¹⁾	SOD-123FL
SMS120	1.0	20	30	0.50	1.0	0.5	5.0 ¹⁾	DO-213AB
SMS130	1.0	30	30	0.50	1.0	0.5	5.0 ¹⁾	DO-213AB
SMS140	1.0	40	30	0.50	1.0	0.5	5.0 ¹⁾	DO-213AB
SMS160	1.0	60	30	0.70	1.0	0.5	5.0 ¹⁾	DO-213AB
SMS190	1.0	90	30	0.79	1.0	0.5	5.0 ¹⁾	DO-213AB
SMS1A0	1.0	100	30	0.79	1.0	0.5	5.0 ¹⁾	DO-213AB
SM5817	1.0	20	25	0.45	1.0	1.0	10 ¹⁾	DO-213AB
SM5818	1.0	30	25	0.55	1.0	1.0	10 ¹⁾	DO-213AB
SM5819	1.0	40	25	0.60	1.0	1.0	10 ¹⁾	DO-213AB
SMS220	2.0	20	50	0.50	2.0	0.5	10 ¹⁾	DO-213AB
SMS230	2.0	30	50	0.50	2.0	0.5	10 ¹⁾	DO-213AB
SMS240	2.0	40	50	0.50	2.0	0.5	10 ¹⁾	DO-213AB
SMS260	2.0	60	50	0.70	2.0	0.5	10 ¹⁾	DO-213AB
SMS290	2.0	90	50	0.79	2.0	0.5	10 ¹⁾	DO-213AB
SMS2A0	2.0	100	50	0.79	2.0	0.5	10 ¹⁾	DO-213AB
SS12	1.0	20	40	0.50	1.0	0.2	6.0 ¹⁾	SMA
SS13	1.0	30	40	0.50	1.0	0.2	6.0 ¹⁾	SMA
SS14	1.0	40	40	0.50	1.0	0.2	6.0 ¹⁾	SMA
SS15	1.0	50	40	0.75	1.0	0.2	5.0 ¹⁾	SMA
SS16	1.0	60	40	0.75	1.0	0.2	5.0 ¹⁾	SMA
SS18	1.0	80	30	0.85	1.0	0.5	5.0 ¹⁾	SMA
SS19	1.0	90	30	0.85	1.0	0.5	5.0 ¹⁾	SMA
SS110	1.0	100	30	0.85	1.0	0.5	5.0 ¹⁾	SMA
B120	1.0	20	30	0.50	1.0	0.5	10 ¹⁾	SMA
B130	1.0	30	30	0.50	1.0	0.5	10 ¹⁾	SMA
B140	1.0	40	30	0.50	1.0	0.5	10 ¹⁾	SMA
B150	1.0	50	30	0.70	1.0	0.5	10 ¹⁾	SMA

Note: 1) $T_A=125^{\circ}\text{C}$



SOD-123FL



DO-213AB



SMA / DO-214AC

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃	
	A	V	A	V	A	mA	mA	
Surface Mount Rectifiers								
B160	1.0	60	30	0.70	1.0	0.5	10 ⁽¹⁾	SMA
S5817	1.0	20	25	0.45	1.0	1.0	10 ⁽¹⁾	SMA
S5818	1.0	30	25	0.55	1.0	1.0	10 ⁽¹⁾	SMA
S5819	1.0	40	25	0.60	1.0	1.0	10 ⁽¹⁾	SMA
SL12	1.0	20	50	0.445	1.0	0.2	6.0 ⁽¹⁾	SMA
SL13	1.0	30	50	0.445	1.0	0.2	6.0 ⁽¹⁾	SMA
SK12	1.0	20	30	0.55	1.0	0.5	20 ⁽¹⁾	SMA
SK13	1.0	30	30	0.55	1.0	0.5	20 ⁽¹⁾	SMA
SK14	1.0	40	30	0.55	1.0	0.5	20 ⁽¹⁾	SMA
SK16	1.0	60	30	0.70	1.0	0.5	20 ⁽¹⁾	SMA
SK18	1.0	80	30	0.85	1.0	0.5	20 ⁽¹⁾	SMA
SK110	1.0	100	30	0.85	1.0	0.5	20 ⁽¹⁾	SMA
SS22A	2.0	20	50	0.50	2.0	0.5	20 ⁽¹⁾	SMA
SS23A	2.0	30	50	0.50	2.0	0.5	20 ⁽¹⁾	SMA
SS24A	2.0	40	50	0.50	2.0	0.5	20 ⁽¹⁾	SMA
SS26A	2.0	60	50	0.70	2.0	0.5	10 ⁽¹⁾	SMA
SS28A	1.5	80	50	0.75	1.0	0.03	5.0 ⁽¹⁾	SMA
SS210A	1.5	100	50	0.75	1.0	0.03	5.0 ⁽¹⁾	SMA
B220A	2.0	20	50	0.50	2.0	0.5	20 ⁽¹⁾	SMA
B230A	2.0	30	50	0.50	2.0	0.5	20 ⁽¹⁾	SMA
B240A	2.0	40	50	0.50	2.0	0.5	20 ⁽¹⁾	SMA
B250A	2.0	50	50	0.70	2.0	0.5	20 ⁽¹⁾	SMA
B260A	2.0	60	50	0.70	2.0	0.5	20 ⁽¹⁾	SMA
SL22A	2.0	20	60	0.44	2.0	0.4	10 ⁽¹⁾	SMA
SL23A	2.0	30	60	0.44	2.0	0.4	10 ⁽¹⁾	SMA
SS22	2.0	20	75	0.50	2.0	0.4	10 ⁽¹⁾	SMB
SS23	2.0	30	75	0.50	2.0	0.4	10 ⁽¹⁾	SMB
SS24	2.0	40	75	0.50	2.0	0.4	10 ⁽¹⁾	SMB
SS25	2.0	50	75	0.70	2.0	0.4	10 ⁽¹⁾	SMB
SS26	2.0	60	75	0.70	2.0	0.4	10 ⁽¹⁾	SMB
SS28	1.5	80	75	0.75	1.0	0.03	5.0 ⁽¹⁾	SMB
SS29	1.5	90	75	0.75	1.0	0.03	5.0 ⁽¹⁾	SMB
SS210	1.5	100	75	0.75	1.0	0.03	5.0 ⁽¹⁾	SMB
SK22	2.0	20	50	0.50	2.0	0.5	20 ⁽¹⁾	SMB
SK23	2.0	30	50	0.50	2.0	0.5	20 ⁽¹⁾	SMB
SK24	2.0	40	50	0.50	2.0	0.5	20 ⁽¹⁾	SMB

Note: 1) $T_A=125^{\circ}C$



SMA / DO-214AC



SMB / DO-214AA

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃	
	A	V	A	V	A	mA	mA	
Surface Mount Rectifiers								
SK25	2.0	50	50	0.70	2.0	0.5	20 ¹⁾	SMB
SK26	2.0	60	50	0.70	2.0	0.5	20 ¹⁾	SMB
SK28	2.0	80	50	0.85	2.0	0.5	20 ¹⁾	SMB
SK29	2.0	90	50	0.85	2.0	0.5	20 ¹⁾	SMB
SK210	2.0	100	50	0.85	2.0	0.5	20 ¹⁾	SMB
B220	2.0	20	50	0.50	2.0	0.5	20 ¹⁾	SMB
B230	2.0	30	50	0.50	2.0	0.5	20 ¹⁾	SMB
B240	2.0	40	50	0.50	2.0	0.5	20 ¹⁾	SMB
B250	2.0	50	50	0.70	2.0	0.5	20 ¹⁾	SMB
B260	2.0	60	50	0.70	2.0	0.5	20 ¹⁾	SMB
SL22	2.0	20	60	0.44	1.0	0.4	10 ¹⁾	SMB
SL23	2.0	30	60	0.44	2.0	0.4	10 ¹⁾	SMB
SK32B	3.0	20	100	0.50	3.0	0.5	20 ¹⁾	SMB
SK33B	3.0	30	100	0.50	3.0	0.5	20 ¹⁾	SMB
SK34B	3.0	40	100	0.50	3.0	0.5	20 ¹⁾	SMB
SK36B	3.0	60	100	0.75	3.0	0.5	20 ¹⁾	SMB
SK38B	3.0	80	150	0.85	3.0	0.6	20 ¹⁾	SMB
SK310B	3.0	100	150	0.85	3.0	0.6	20 ¹⁾	SMB
SS32B	3.0	20	100	0.50	3.0	0.5	20 ¹⁾	SMB
SS33B	3.0	30	100	0.50	3.0	0.5	20 ¹⁾	SMB
SS34B	3.0	40	100	0.50	3.0	0.5	20 ¹⁾	SMB
SS36B	3.0	60	100	0.75	3.0	0.5	20 ¹⁾	SMB
SS38B	3.0	80	100	0.85	3.0	0.6	20 ¹⁾	SMB
SS310B	3.0	100	100	0.85	3.0	0.6	20 ¹⁾	SMB
B320B	3.0	20	100	0.50	3.0	0.5	20 ¹⁾	SMB
B330B	3.0	30	100	0.50	3.0	0.5	20 ¹⁾	SMB
B340B	3.0	40	100	0.50	3.0	0.5	20 ¹⁾	SMB
B350B	3.0	50	100	0.70	3.0	0.5	20 ¹⁾	SMB
B360B	3.0	60	100	0.70	3.0	0.5	20 ¹⁾	SMB
S5820B	3.0	20	80	0.475	3.0	2.0	20 ¹⁾	SMB
S5821B	3.0	30	80	0.500	3.0	2.0	20 ¹⁾	SMB
S5822B	3.0	40	80	0.525	3.0	2.0	20 ¹⁾	SMB
SS32	3.0	20	100	0.50	3.0	0.5	20 ¹⁾	SMC
SS33	3.0	30	100	0.50	3.0	0.5	20 ¹⁾	SMC
SS34	3.0	40	100	0.50	3.0	0.5	20 ¹⁾	SMC
SS35	3.0	50	100	0.75	3.0	0.5	10 ¹⁾	SMC

Note: 1) $T_A=125^{\circ}C$



SMB / DO-214AA



SMC / DO-214AB

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃	
	A	V	A	V	A	mA	mA	
Surface Mount Rectifiers								
SS36	3.0	60	100	0.75	3.0	0.5	10 ⁽¹⁾	SMC
SS38	3.0	80	100	0.85	3.0	0.5	10 ⁽¹⁾	SMC
SS39	3.0	90	100	0.85	3.0	0.5	10 ⁽¹⁾	SMC
SS310	3.0	100	100	0.85	3.0	0.5	10 ⁽¹⁾	SMC
SK32	3.0	20	100	0.55	3.0	0.5	20 ⁽¹⁾	SMC
SK33	3.0	30	100	0.55	3.0	0.5	20 ⁽¹⁾	SMC
SK34	3.0	40	100	0.55	3.0	0.5	20 ⁽¹⁾	SMC
SK35	3.0	50	100	0.75	3.0	0.5	20 ⁽¹⁾	SMC
SK36	3.0	60	100	0.75	3.0	0.5	20 ⁽¹⁾	SMC
SK38	3.0	80	100	0.85	3.0	0.5	20 ⁽¹⁾	SMC
SK39	3.0	90	100	0.85	3.0	0.5	20 ⁽¹⁾	SMC
SK310	3.0	100	100	0.85	3.0	0.5	20 ⁽¹⁾	SMC
B320	3.0	20	100	0.50	3.0	0.5	20 ⁽¹⁾	SMC
B330	3.0	30	100	0.50	3.0	0.5	20 ⁽¹⁾	SMC
B340	3.0	40	100	0.50	3.0	0.5	20 ⁽¹⁾	SMC
B350	3.0	50	100	0.70	3.0	0.5	20 ⁽¹⁾	SMC
B360	3.0	60	100	0.70	3.0	0.5	20 ⁽¹⁾	SMC
S5820	3.0	20	80	0.475	3.0	2.0	20 ⁽¹⁾	SMC
S5821	3.0	30	80	0.500	3.0	2.0	20 ⁽¹⁾	SMC
S5822	3.0	40	80	0.525	3.0	2.0	20 ⁽¹⁾	SMC
SS52C	5.0	20	175	0.55	5.0	0.5	20 ⁽¹⁾	SMC
SS53C	5.0	30	175	0.55	5.0	0.5	20 ⁽¹⁾	SMC
SS54C	5.0	40	175	0.55	5.0	0.5	20 ⁽¹⁾	SMC
SS56C	5.0	60	175	0.70	5.0	0.5	10 ⁽¹⁾	SMC
SS58C	5.0	80	175	0.85	5.0	0.5	10 ⁽¹⁾	SMC
SS510C	5.0	100	175	0.85	5.0	0.5	10 ⁽¹⁾	SMC
SK52C	5.0	20	150	0.55	5.0	0.5	20 ⁽¹⁾	SMC
SK53C	5.0	30	150	0.55	5.0	0.5	20 ⁽¹⁾	SMC
SK54C	5.0	40	150	0.55	5.0	0.5	20 ⁽¹⁾	SMC
SK56C	5.0	60	150	0.75	5.0	0.5	20 ⁽¹⁾	SMC
SK58C	5.0	80	150	0.85	5.0	0.5	20 ⁽¹⁾	SMC
SK510C	5.0	100	150	0.85	5.0	0.5	20 ⁽¹⁾	SMC
B520C	5.0	20	175	0.50	5.0	0.5	20 ⁽¹⁾	SMC
B530C	5.0	30	175	0.50	5.0	0.5	20 ⁽¹⁾	SMC
B540C	5.0	40	175	0.50	5.0	0.5	20 ⁽¹⁾	SMC
B550C	5.0	50	175	0.70	5.0	0.5	20 ⁽¹⁾	SMC

Note: 1) $T_A=125^{\circ}C$



SMC / DO-214AB

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	mA	mA	
Surface Mount Rectifiers								
B560C	5.0	60	175	0.70	5.0	0.5	20 ¹⁾	SMC
Leaded Rectifiers								
SB020	0.6	20	20	0.50	1.0	0.5	10	R-1
SB030	0.6	30	20	0.50	1.0	0.5	10	R-1
SB040	0.6	40	20	0.50	1.0	0.5	10	R-1
1N17	1.0	20	25	0.45	1.0	1.0	10	R-1
1N18	1.0	30	25	0.55	1.0	1.0	10	R-1
1N19	1.0	40	25	0.60	1.0	1.0	10	R-1
1S20	1.0	20	35	0.55	1.0	0.5	10	R-1
1S30	1.0	30	35	0.55	1.0	0.5	10	R-1
1S40	1.0	40	35	0.55	1.0	0.5	10	R-1
1S50	1.0	50	35	0.70	1.0	0.5	10	R-1
1S60	1.0	60	35	0.70	1.0	0.5	10	R-1
1S80	1.0	80	35	0.85	1.0	0.5	10	R-1
1S100	1.0	100	35	0.85	1.0	0.5	10	R-1
1N5817S	1.0	20	25	0.45	1.0	1.0	10	A-405
1N5818S	1.0	30	25	0.55	1.0	1.0	10	A-405
1N5819S	1.0	40	25	0.60	1.0	1.0	10	A-405
SB120S	1.0	20	40	0.50	1.0	0.5	10	A-405
SB130S	1.0	30	40	0.50	1.0	0.5	10	A-405
SB140S	1.0	40	40	0.50	1.0	0.5	10	A-405
SB150B	1.0	50	40	0.70	1.0	0.5	10	A-405
SB160S	1.0	60	40	0.70	1.0	0.5	10	A-405
SB180S	1.0	80	40	0.75	1.0	0.5	10	A-405
SB1A0S	1.0	100	40	0.83	1.0	0.5	10	A-405
SR120S	1.0	20	40	0.55	1.0	0.5	10	A-405
SR130S	1.0	30	40	0.55	1.0	0.5	10	A-405
SR140S	1.0	40	40	0.55	1.0	0.5	10	A-405
SR150S	1.0	50	40	0.70	1.0	0.5	10	A-405
SR160S	1.0	60	40	0.70	1.0	0.5	10	A-405
SR180S	1.0	80	40	0.75	1.0	0.5	10	A-405
SR1A0S	1.0	100	40	0.83	1.0	0.5	10	A-405
1N5817	1.0	20	25	0.45	1.0	1.0	10	DO-41
1N5818	1.0	30	25	0.55	1.0	1.0	10	DO-41
1N5819	1.0	40	25	0.60	1.0	1.0	10	DO-41
SB120	1.0	20	40	0.50	1.0	0.5	10	DO-41

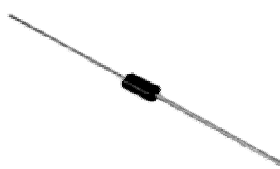
Note: 1) $T_A=125^{\circ}\text{C}$



SMC / DO-214AB



R-1



A-405



DO-41

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	mA	mA	
Leaded Rectifiers								
SB130	1.0	30	40	0.50	1.0	0.5	10	DO-41
SB140	1.0	40	40	0.50	1.0	0.5	10	DO-41
SB150	1.0	50	40	0.70	1.0	0.5	10	DO-41
SB160	1.0	60	40	0.70	1.0	0.5	10	DO-41
SB180	1.0	80	40	0.75	1.0	0.5	10	DO-41
SB1A0	1.0	100	40	0.83	1.0	0.5	10	DO-41
SR120	1.0	20	40	0.55	1.0	0.5	10	DO-41
SR130	1.0	30	40	0.55	1.0	0.5	10	DO-41
SR140	1.0	40	40	0.55	1.0	0.5	10	DO-41
SR150	1.0	50	40	0.70	1.0	0.5	10	DO-41
SR160	1.0	60	40	0.70	1.0	0.5	10	DO-41
SR180	1.0	80	40	0.85	1.0	0.5	10	DO-41
SR1A0	1.0	100	40	0.85	1.0	0.5	10	DO-41
SB220	2.0	20	50	0.50	2.0	0.5	20	DO-15
SB230	2.0	30	50	0.50	2.0	0.5	20	DO-15
SB240	2.0	40	50	0.50	2.0	0.5	20	DO-15
SB250	2.0	50	50	0.70	2.0	0.5	20	DO-15
SB260	2.0	60	50	0.70	2.0	0.5	20	DO-15
SB280	2.0	80	50	0.75	2.0	0.5	10	DO-15
SB2A0	2.0	100	50	0.83	2.0	0.5	10	DO-15
SR220	2.0	20	50	0.55	2.0	1.0	10	DO-15
SR230	2.0	30	50	0.55	2.0	1.0	10	DO-15
SR240	2.0	40	50	0.55	2.0	1.0	10	DO-15
SR250	2.0	50	50	0.70	2.0	1.0	10	DO-15
SR260	2.0	60	50	0.70	2.0	1.0	10	DO-15
SR280	2.0	80	50	0.85	2.0	1.0	10	DO-15
SR2A0	2.0	100	50	0.85	2.0	1.0	10	DO-15
SB320	3.0	20	80	0.50	3.0	0.5	20	DO-27
SB330	3.0	30	80	0.50	3.0	0.5	20	DO-27
SB340	3.0	40	80	0.50	3.0	0.5	20	DO-27
SB350	3.0	50	80	0.74	3.0	0.5	10	DO-27
SB360	3.0	60	80	0.74	3.0	0.5	10	DO-27
SB380	3.0	80	80	0.85	3.0	0.5	10	DO-27
SB3A0	3.0	100	80	0.85	3.0	0.5	10	DO-27
SR320	3.0	20	80	0.55	3.0	2.0	20	DO-27
SR330	3.0	30	80	0.55	3.0	2.0	20	DO-27



DO-41



DO-15



DO-27

Schottky barrier rectifiers

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25°C	T _A =100°C	
	A	V	A	V	A	mA	mA	
Leaded Rectifiers								
SR340	3.0	40	80	0.55	3.0	2.0	20	DO-27
SR350	3.0	50	80	0.70	3.0	2.0	20	DO-27
SR360	3.0	60	80	0.70	3.0	2.0	20	DO-27
SR380	3.0	80	80	0.85	3.0	2.0	20	DO-27
SR3A0	3.0	100	80	0.85	3.0	2.0	20	DO-27
1N5820	3.0	20	80	0.475	3.0	2.0	20	DO-27
1N5821	3.0	30	80	0.500	3.0	2.0	20	DO-27
1N5822	3.0	40	80	0.525	3.0	2.0	20	DO-27
SB520	5.0	20	150	0.55	5.0	0.5	50	DO-27
SB530	5.0	30	150	0.55	5.0	0.5	50	DO-27
SB540	5.0	40	150	0.55	5.0	0.5	50	DO-27
SB550	5.0	50	150	0.70	5.0	0.5	25	DO-27
SB560	5.0	60	150	0.70	5.0	0.5	25	DO-27
SR520	5.0	20	150	0.55	5.0	2.5	50	DO-27
SR530	5.0	30	150	0.55	5.0	2.5	50	DO-27
SR540	5.0	40	150	0.55	5.0	2.5	50	DO-27
SR550	5.0	50	150	0.70	5.0	2.5	25	DO-27
SR560	5.0	60	150	0.70	5.0	2.5	25	DO-27
SR580	5.0	80	150	0.85	5.0	2.5	25	DO-27
SR5A0	5.0	100	150	0.85	5.0	2.5	25	DO-27

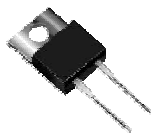


DO-27

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
SBL530	5.0	30	150	0.55	5.0	0.5	33	TO-220AC
SBL535	5.0	35	150	0.55	5.0	0.5	33	TO-220AC
SBL540	5.0	40	150	0.55	5.0	0.5	33	TO-220AC
SBL545	5.0	45	150	0.55	5.0	0.5	33	TO-220AC
SBL550	5.0	50	150	0.70	5.0	0.5	33	TO-220AC
SBL560	5.0	60	150	0.70	5.0	0.5	33	TO-220AC
SBL580	5.0	80	150	0.85	5.0	0.5	33	TO-220AC
SBL5100	5.0	100	150	0.85	5.0	0.5	33	TO-220AC
SBLB530	5.0	30	150	0.55	5.0	0.5	33	D ² PAK
SBLB535	5.0	35	150	0.55	5.0	0.5	33	D ² PAK
SBLB540	5.0	40	150	0.55	5.0	0.5	33	D ² PAK
SBLB545	5.0	45	150	0.55	5.0	0.5	33	D ² PAK
SBLB550	5.0	50	150	0.70	5.0	0.5	33	D ² PAK
SBLB560	5.0	60	150	0.70	5.0	0.5	33	D ² PAK
SBLB580	5.0	80	150	0.85	5.0	0.5	33	D ² PAK
SBLB5100	5.0	100	150	0.85	5.0	0.5	33	D ² PAK
SBLF530	5.0	30	150	0.55	5.0	0.5	33	ITO-220AC
SBLF535	5.0	35	150	0.55	5.0	0.5	33	ITO-220AC
SBLF540	5.0	40	150	0.55	5.0	0.5	33	ITO-220AC
SBLF545	5.0	45	150	0.55	5.0	0.5	33	ITO-220AC
SBLF550	5.0	50	150	0.70	5.0	0.5	33	ITO-220AC
SBLF560	5.0	60	150	0.70	5.0	0.5	33	ITO-220AC
SBLF580	5.0	80	150	0.85	5.0	0.5	33	ITO-220AC
SBLF5100	5.0	100	150	0.85	5.0	0.5	33	ITO-220AC
MBR830	8.0	30	150	0.84	16	0.1	15 ¹⁾	TO-220AC
MBR835	8.0	35	150	0.84	16	0.1	15 ¹⁾	TO-220AC
MBR840	8.0	40	150	0.84	16	0.1	15 ¹⁾	TO-220AC
MBR845	8.0	45	150	0.84	16	0.1	15 ¹⁾	TO-220AC
MBR850	8.0	50	150	0.80	8.0	0.5	50 ¹⁾	TO-220AC
MBR860	8.0	60	150	0.80	8.0	0.5	50 ¹⁾	TO-220AC
MBR880	8.0	80	150	0.85	8.0	0.5	50 ¹⁾	TO-220AC
MBR8100	8.0	100	150	0.85	8.0	0.5	50 ¹⁾	TO-220AC
MBRB830	8.0	30	150	0.84	16	0.1	15 ¹⁾	D ² PAK
MBRB835	8.0	35	150	0.84	16	0.1	15 ¹⁾	D ² PAK
MBRB840	8.0	40	150	0.84	16	0.1	15 ¹⁾	D ² PAK
MBRB845	8.0	45	150	0.84	16	0.1	15 ¹⁾	D ² PAK
MBRB850	8.0	50	150	0.80	8.0	0.5	50 ¹⁾	D ² PAK
MBRB860	8.0	60	150	0.80	8.0	0.5	50 ¹⁾	D ² PAK

Note: 1) $T_A=125^{\circ}\text{C}$



TO-220AC



D2PAK / TO-263AB



ITO-220AC

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
MBRB880	8.0	80	150	0.85	8.0	0.5	50 ¹⁾	D ² PAK
MBRB8100	8.0	100	150	0.85	8.0	0.5	50 ¹⁾	D ² PAK
MBRF830	8.0	30	150	0.84	16	0.1	15 ¹⁾	ITO-220AC
MBRF835	8.0	35	150	0.84	16	0.1	15 ¹⁾	ITO-220AC
MBRF840	8.0	40	150	0.84	16	0.1	15 ¹⁾	ITO-220AC
MBRF845	8.0	45	150	0.84	16	0.1	15 ¹⁾	ITO-220AC
MBRF850	8.0	50	150	0.80	8.0	0.5	50 ¹⁾	ITO-220AC
MBRF860	8.0	60	150	0.80	8.0	0.5	50 ¹⁾	ITO-220AC
MBRF880	8.0	80	150	0.85	8.0	0.5	50 ¹⁾	ITO-220AC
MBRF8100	8.0	100	150	0.85	8.0	0.5	50 ¹⁾	ITO-220AC
SBL830	8.0	30	200	0.55	8.0	0.5	50	TO-220AC
SBL835	8.0	35	200	0.55	8.0	0.5	50	TO-220AC
SBL840	8.0	40	200	0.55	8.0	0.5	50	TO-220AC
SBL845	8.0	45	200	0.55	8.0	0.5	50	TO-220AC
SBL850	8.0	50	200	0.75	8.0	0.5	50	TO-220AC
SBL860	8.0	60	200	0.75	8.0	0.5	50	TO-220AC
SBL870	8.0	70	175	0.85	8.0	0.1	100 ¹⁾	TO-220AC
SBL880	8.0	80	175	0.85	8.0	0.1	100 ¹⁾	TO-220AC
SBL890	8.0	90	175	0.85	8.0	0.1	100 ¹⁾	TO-220AC
SBL8100	8.0	100	175	0.85	8.0	0.1	100 ¹⁾	TO-220AC
SBLB830	8.0	30	200	0.55	8.0	0.5	50	D ² PAK
SBLB835	8.0	35	200	0.55	8.0	0.5	50	D ² PAK
SBLB840	8.0	40	200	0.55	8.0	0.5	50	D ² PAK
SBLB845	8.0	45	200	0.55	8.0	0.5	50	D ² PAK
SBLB850	8.0	50	200	0.75	8.0	0.5	50	D ² PAK
SBLB860	8.0	60	200	0.75	8.0	0.5	50	D ² PAK
SBLB880	8.0	80	200	0.85	8.0	0.5	50	D ² PAK
SBLB8100	8.0	100	200	0.85	8.0	0.5	50	D ² PAK
SBLF830	8.0	30	200	0.55	8.0	0.5	50	ITO-220AC
SBLF835	8.0	35	200	0.55	8.0	0.5	50	ITO-220AC
SBLF840	8.0	40	200	0.55	8.0	0.5	50	ITO-220AC
SBLF845	8.0	45	200	0.55	8.0	0.5	50	ITO-220AC
SBLF850	8.0	50	200	0.75	8.0	0.5	50	ITO-220AC
SBLF860	8.0	60	200	0.75	8.0	0.5	50	ITO-220AC
SBLF880	8.0	80	200	0.85	8.0	0.5	50	ITO-220AC
SBLF8100	8.0	100	200	0.85	8.0	0.5	50	ITO-220AC
SR820	8.0	20	150	0.65	8.0	1.0	15	TO-220AC
SR830	8.0	30	150	0.65	8.0	1.0	15	TO-220AC

Note: 1) $T_A=125^{\circ}\text{C}$



D²PAK / TO-263AB



ITO-220AC

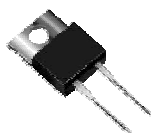


TO-220AC

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$	
	A	V	A	V	A	mA	mA	
SR840	8.0	40	150	0.65	8.0	1.0	15	TO-220AC
SR850	8.0	50	150	0.75	8.0	1.0	50	TO-220AC
SR860	8.0	60	150	0.75	8.0	1.0	50	TO-220AC
SR880	8.0	80	150	0.80	8.0	1.0	50	TO-220AC
SR8A0	8.0	100	150	0.85	8.0	1.0	50	TO-220AC
MBR1030	10	30	150	0.84	20	0.1	15 ¹⁾	TO-220AC
MBR1035	10	35	150	0.84	20	0.1	15 ¹⁾	TO-220AC
MBR1040	10	40	150	0.84	20	0.1	15 ¹⁾	TO-220AC
MBR1045	10	45	150	0.84	20	0.1	15 ¹⁾	TO-220AC
MBR1050	10	50	150	0.80	10	0.1	15 ¹⁾	TO-220AC
MBR1060	10	60	150	0.80	10	0.1	15 ¹⁾	TO-220AC
MBR1090	10	90	150	0.80	10	0.1	6.0	TO-220AC
MBR10100	10	100	150	0.80	10	0.1	6.0	TO-220AC
MBRB1030	10	30	150	0.84	20	0.1	15 ¹⁾	D ² PAK
MBRB1035	10	35	150	0.84	20	0.1	15 ¹⁾	D ² PAK
MBRB1040	10	40	150	0.84	20	0.1	15 ¹⁾	D ² PAK
MBRB1045	10	45	150	0.84	20	0.1	15 ¹⁾	D ² PAK
MBRB1050	10	50	150	0.80	10	0.1	15 ¹⁾	D ² PAK
MBRB1060	10	60	150	0.80	10	0.1	15 ¹⁾	D ² PAK
MBRB1090	10	90	150	0.80	10	0.1	6.0	D ² PAK
MBRB10100	10	100	150	0.80	10	0.1	6.0	D ² PAK
MBRF1030	10	30	150	0.84	20	0.1	15 ¹⁾	ITO-220AC
MBRF1035	10	35	150	0.84	20	0.1	15 ¹⁾	ITO-220AC
MBRF1040	10	40	150	0.84	20	0.1	15 ¹⁾	ITO-220AC
MBRF1045	10	45	150	0.84	20	0.1	15 ¹⁾	ITO-220AC
MBRF1050	10	50	150	0.80	10	0.1	15 ¹⁾	ITO-220AC
MBRF1060	10	60	150	0.80	10	0.1	15 ¹⁾	ITO-220AC
MBRF1080	10	80	150	0.80	10	0.1	6.0	ITO-220AC
MBRF10100	10	100	150	0.80	10	0.1	6.0	ITO-220AC
SBL1030	10	30	250	0.60	10	1.0	50	TO-220AC
SBL1035	10	35	250	0.60	10	1.0	50	TO-220AC
SBL1040	10	40	250	0.60	10	1.0	50	TO-220AC
SBL1045	10	45	250	0.60	10	1.0	50	TO-220AC
SBL1050	10	50	250	0.75	10	1.0	50	TO-220AC
SBL1060	10	60	250	0.75	10	1.0	50	TO-220AC
SBL1080	10	80	250	0.85	10	1.0	50	TO-220AC
SBL10100	10	100	250	0.85	10	1.0	50	TO-220AC
SBLB1030	10	30	250	0.55	10	1.0	50	D ² PAK

Note: 1) $T_A=125^{\circ}C$



TO-220AC



D²PAK / TO-263AB



ITO-220AC

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$	
	A	V	A	V	A	mA	mA	
SBLB1035	10	35	250	0.55	10	1.0	50	D ² PAK
SBLB1040	10	40	250	0.60	10	1.0	50	D ² PAK
SBLB1045	10	45	250	0.60	10	1.0	50	D ² PAK
SBLB1050	10	50	250	0.75	10	1.0	50	D ² PAK
SBLB1060	10	60	250	0.75	10	1.0	50	D ² PAK
SBLB1080	10	80	250	0.85	10	1.0	50	D ² PAK
SBLB10100	10	100	250	0.85	10	1.0	50	D ² PAK
SBLF1030	10	30	250	0.55	10	1.0	50	ITO-220AC
SBLF1035	10	35	250	0.55	10	1.0	50	ITO-220AC
SBLF1040	10	40	250	0.60	10	1.0	50	ITO-220AC
SBLF1045	10	45	250	0.60	10	1.0	50	ITO-220AC
SBLF1050	10	50	250	0.75	10	1.0	50	ITO-220AC
SBLF1060	10	60	250	0.75	10	1.0	50	ITO-220AC
SBLF1080	10	80	250	0.85	10	1.0	50	ITO-220AC
SBLF10100	10	100	250	0.85	10	1.0	50	ITO-220AC
SR1020	10	20	200	0.65	10	1.0	50	TO-220AC
SR1030	10	30	200	0.65	10	1.0	50	TO-220AC
SR1040	10	40	200	0.65	10	1.0	50	TO-220AC
SR1050	10	50	200	0.75	10	1.0	50	TO-220AC
SR1060	10	60	200	0.75	10	1.0	50	TO-220AC
MBR1030CT	10	30	125	0.70	5.0	0.1	15 ¹⁾	TO-220AB
MBR1035CT	10	35	125	0.70	5.0	0.1	15 ¹⁾	TO-220AB
MBR1040CT	10	40	125	0.70	5.0	0.1	15 ¹⁾	TO-220AB
MBR1045CT	10	45	125	0.70	5.0	0.1	15 ¹⁾	TO-220AB
MBR1050CT	10	50	125	0.80	5.0	0.1	15 ¹⁾	TO-220AB
MBR1060CT	10	60	125	0.80	5.0	0.1	15 ¹⁾	TO-220AB
MBR1080CT	10	80	125	0.85	5.0	0.1	6.0	TO-220AB
MBR10100CT	10	100	125	0.85	5.0	0.1	6.0	TO-220AB
MBRB1030CT	10	30	125	0.70	5.0	0.1	15 ¹⁾	D ² PAK
MBRB1035CT	10	35	125	0.70	5.0	0.1	15 ¹⁾	D ² PAK
MBRB1040CT	10	40	125	0.70	5.0	0.1	15 ¹⁾	D ² PAK
MBRB1045CT	10	45	125	0.70	5.0	0.1	15 ¹⁾	D ² PAK
MBRB1050CT	10	50	125	0.80	5.0	0.1	15 ¹⁾	D ² PAK
MBRB1060CT	10	60	125	0.80	5.0	0.1	15 ¹⁾	D ² PAK
MBRB1080CT	10	80	125	0.85	5.0	0.1	6.0	D ² PAK
MBRB10100CT	10	100	125	0.85	5.0	0.1	6.0	D ² PAK
MBRF1030CT	10	30	125	0.70	5.0	0.1	15 ¹⁾	ITO-220AB
MBRF1035CT	10	35	125	0.70	5.0	0.1	15 ¹⁾	ITO-220AB

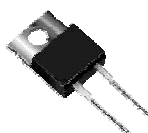
Note: 1) $T_A=125^{\circ}C$



D²PAK / TO-263AB



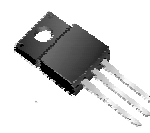
ITO-220AC



TO-220AC



TO-220AB

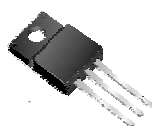


ITO-220AB

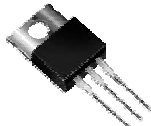
Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
MBRF1040CT	10	40	125	0.70	5.0	0.1	15 ¹⁾	ITO-220AB
MBRF1045CT	10	45	125	0.70	5.0	0.1	15 ¹⁾	ITO-220AB
MBRF1050CT	10	50	125	0.80	5.0	0.1	15 ¹⁾	ITO-220AB
MBRF1060CT	10	60	125	0.80	5.0	0.1	15 ¹⁾	ITO-220AB
MBRF1080CT	10	80	125	0.85	5.0	0.1	6.0	ITO-220AB
MBRF10100CT	10	100	125	0.85	5.0	0.1	6.0	ITO-220AB
SBL1030CT	10	30	175	0.55	5.0	0.5	50	TO-220AB
SBL1035CT	10	35	175	0.55	5.0	0.5	50	TO-220AB
SBL1040CT	10	40	175	0.55	5.0	0.5	50	TO-220AB
SBL1045CT	10	45	175	0.55	5.0	0.5	50	TO-220AB
SBL1050CT	10	50	175	0.70	5.0	0.5	50	TO-220AB
SBL1060CT	10	60	175	0.70	5.0	0.5	50	TO-220AB
SBL1080CT	10	80	175	0.85	5.0	0.5	50	TO-220AB
SBL10100CT	10	100	175	0.85	5.0	0.5	50	TO-220AB
SBLB1030CT	10	30	175	0.55	5.0	0.5	50	D ² PAK
SBLB1035CT	10	35	175	0.55	5.0	0.5	50	D ² PAK
SBLB1040CT	10	40	175	0.55	5.0	0.5	50	D ² PAK
SBLB1045CT	10	45	175	0.55	5.0	0.5	50	D ² PAK
SBLB1050CT	10	50	175	0.75	5.0	0.5	50	D ² PAK
SBLB1060CT	10	60	175	0.75	5.0	0.5	50	D ² PAK
SBLB1080CT	10	80	175	0.85	5.0	0.5	50	D ² PAK
SBLB10100CT	10	100	175	0.85	5.0	0.5	50	D ² PAK
SBLF1030CT	10	30	175	0.55	5.0	0.5	50	ITO-220AB
SBLF1035CT	10	35	175	0.55	5.0	0.5	50	ITO-220AB
SBLF1040CT	10	40	175	0.55	5.0	0.5	50	ITO-220AB
SBLF1045CT	10	45	175	0.55	5.0	0.5	50	ITO-220AB
SBLF1050CT	10	50	175	0.70	5.0	0.5	50	ITO-220AB
SBLF1060CT	10	60	175	0.70	5.0	0.5	50	ITO-220AB
SBLF1080CT	10	80	175	0.85	5.0	0.5	50	ITO-220AB
SBLF10100CT	10	100	175	0.85	5.0	0.5	50	ITO-220AB
SR1020CT	10	20	175	0.55	5.0	0.5	50	TO-220AB
SR1030CT	10	30	175	0.55	5.0	0.5	50	TO-220AB
SR1040CT	10	40	175	0.55	5.0	0.5	50	TO-220AB
SR1050CT	10	50	175	0.70	5.0	0.5	50	TO-220AB
SR1060CT	10	60	175	0.70	5.0	0.5	50	TO-220AB
SR1520	15	20	200	0.65	15	1.0	50	TO-220AC
SR1530	15	30	200	0.65	15	1.0	50	TO-220AC
SR1540	15	40	200	0.65	15	1.0	50	TO-220AC

Note: 1) $T_A=125^{\circ}\text{C}$



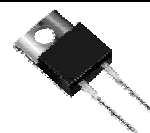
ITO-220AB



TO-220AB



D²PAK / TO-263AB

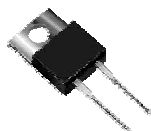


TO-220AC

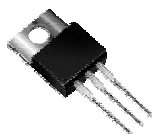
Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
SR1550	15	50	200	0.75	15	1.0	50	TO-220AC
SR1560	15	60	200	0.75	15	1.0	50	TO-220AC
MBR1530CT	15	30	150	0.84	15	0.1	15 ¹⁾	TO-220AB
MBR1535CT	15	35	150	0.84	15	0.1	15 ¹⁾	TO-220AB
MBR1540CT	15	40	150	0.84	15	0.1	15 ¹⁾	TO-220AB
MBR1545CT	15	45	150	0.84	15	0.1	15 ¹⁾	TO-220AB
MBR1550CT	15	50	150	0.75	7.5	1.0	50 ¹⁾	TO-220AB
MBR1560CT	15	60	150	0.75	7.5	1.0	50 ¹⁾	TO-220AB
MBR1580CT	15	80	150	0.80	7.5	0.1	6.0	TO-220AB
MBR15100CT	15	100	150	0.80	7.5	0.1	6.0	TO-220AB
MBRB1530CT	15	30	150	0.84	15	0.1	15 ¹⁾	D ² PAK
MBRB1535CT	15	35	150	0.84	15	0.1	15 ¹⁾	D ² PAK
MBRB1540CT	15	40	150	0.84	15	0.1	15 ¹⁾	D ² PAK
MBRB1545CT	15	45	150	0.84	15	0.1	15 ¹⁾	D ² PAK
MBRB1550CT	15	50	150	0.75	7.5	1.0	50 ¹⁾	D ² PAK
MBRB1560CT	15	60	150	0.75	7.5	1.0	50 ¹⁾	D ² PAK
MBRB1580CT	15	80	150	0.8	7.5	0.1	6.0	D ² PAK
MBRB15100CT	15	100	150	0.8	7.5	0.1	6.0	D ² PAK
MBRF1530CT	15	30	150	0.84	15	0.1	15 ¹⁾	ITO-220AB
MBRF1535CT	15	35	150	0.84	15	0.1	15 ¹⁾	ITO-220AB
MBRF1540CT	15	40	150	0.84	15	0.1	15 ¹⁾	ITO-220AB
MBRF1545CT	15	45	150	0.84	15	0.1	15 ¹⁾	ITO-220AB
MBRF1550CT	15	50	150	0.75	7.5	1.0	50 ¹⁾	ITO-220AB
MBRF1560CT	15	60	150	0.75	7.5	1.0	50 ¹⁾	ITO-220AB
MBRF1580CT	15	80	150	0.8	7.5	0.1	6.0	ITO-220AB
MBRF15100CT	15	100	150	0.8	7.5	0.1	6.0	ITO-220AB
SR1520CT	15	20	200	0.65	7.5	1.0	50	TO-220AB
SR1530CT	15	30	200	0.65	7.5	1.0	50	TO-220AB
SR1540CT	15	40	200	0.65	7.5	1.0	50	TO-220AB
SR1550CT	15	50	200	0.75	7.5	1.0	50	TO-220AB
SR1560CT	15	60	200	0.75	7.5	1.0	50	TO-220AB
MBR1630	16	30	150	0.63	8.0	0.2	40 ¹⁾	TO-220AC
MBR1635	16	35	150	0.63	8.0	0.2	40 ¹⁾	TO-220AC
MBR1640	16	40	150	0.63	8.0	0.2	40 ¹⁾	TO-220AC
MBR1645	16	45	150	0.63	8.0	0.2	40 ¹⁾	TO-220AC
MBR1650	16	50	150	0.75	8.0	1.0	50 ¹⁾	TO-220AC
MBR1660	16	60	150	0.75	8.0	1.0	50 ¹⁾	TO-220AC
MBR1690	16	90	150	0.85	8.0	1.0	50 ¹⁾	TO-220AC

Note: 1) $T_A=125^{\circ}\text{C}$



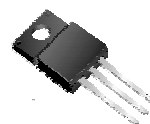
TO-220AC



TO-220AB



D²PAK / TO-263AB

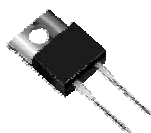


ITO-220AB

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$	
	A	V	A	V	A	mA	mA	
MBR16100	16	100	150	0.85	8.0	1.0	50 ¹⁾	TO-220AC
MBRB1630	16	30	150	0.63	8.0	0.2	40 ¹⁾	D ² PAK
MBRB1635	16	35	150	0.63	8.0	0.2	40 ¹⁾	D ² PAK
MBRB1640	16	40	150	0.63	8.0	0.2	40 ¹⁾	D ² PAK
MBRB1645	16	45	150	0.63	8.0	0.2	40 ¹⁾	D ² PAK
MBRB1650	16	50	150	0.75	8.0	1.0	50 ¹⁾	D ² PAK
MBRB1660	16	60	150	0.75	8.0	1.0	50 ¹⁾	D ² PAK
MBRB1680	16	80	150	0.85	8.0	1.0	50 ¹⁾	D ² PAK
MBRB16100	16	100	150	0.85	8.0	1.0	50 ¹⁾	D ² PAK
MBRF1630	16	30	150	0.63	8.0	0.2	40 ¹⁾	ITO-220AC
MBRF1635	16	35	150	0.63	8.0	0.2	40 ¹⁾	ITO-220AC
MBRF1640	16	40	150	0.63	8.0	0.2	40 ¹⁾	ITO-220AC
MBRF1645	16	45	150	0.63	8.0	0.2	40 ¹⁾	ITO-220AC
MBRF1650	16	50	150	0.75	8.0	1.0	50 ¹⁾	ITO-220AC
MBRF1660	16	60	150	0.75	8.0	1.0	50 ¹⁾	ITO-220AC
MBRF1680	16	80	150	0.85	8.0	1.0	50 ¹⁾	ITO-220AC
MBRF16100	16	100	150	0.85	8.0	1.0	50 ¹⁾	ITO-220AC
SBL1630	16	30	275	0.57	16	1.0	50	TO-220AC
SBL1635	16	35	275	0.57	16	1.0	50	TO-220AC
SBL1640	16	40	275	0.57	16	1.0	50	TO-220AC
SBL1645	16	45	275	0.57	16	1.0	50	TO-220AC
SBL1650	16	50	275	0.75	16	1.0	50	TO-220AC
SBL1660	16	60	275	0.75	16	1.0	50	TO-220AC
SBL1680	16	80	275	0.85	16	1.0	50	TO-220AC
SBL16100	16	100	275	0.85	16	1.0	50	TO-220AC
SBLB1630	16	30	275	0.57	16	1.0	50	D ² PAK
SBLB1635	16	35	275	0.57	16	1.0	50	D ² PAK
SBLB1640	16	40	275	0.57	16	1.0	50	D ² PAK
SBLB1645	16	45	275	0.57	16	1.0	50	D ² PAK
SBLB1650	16	50	275	0.75	16	1.0	50	D ² PAK
SBLB1660	16	60	275	0.75	16	1.0	50	D ² PAK
SBLB1680	16	80	275	0.85	16	1.0	50	D ² PAK
SBLB16100	16	100	275	0.85	16	1.0	50	D ² PAK
SBLF1630	16	30	275	0.57	16	1.0	50	ITO-220AC
SBLF1635	16	35	275	0.57	16	1.0	50	ITO-220AC
SBLF1640	16	40	275	0.57	16	1.0	50	ITO-220AC
SBLF1645	16	45	275	0.57	16	1.0	50	ITO-220AC
SBLF1650	16	50	275	0.75	16	1.0	50	ITO-220AC

Note: 1) $T_A=125^{\circ}C$



TO-220AC



D²PAK / TO-263AB



ITO-220AC

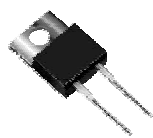
Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
SBLF1660	16	60	275	0.75	16	1.0	50	ITO-220AC
SBLF1680	16	80	275	0.85	16	1.0	50	ITO-220AC
SBLF16100	16	100	275	0.85	16	1.0	50	ITO-220AC
SR1620	16	20	200	0.65	16	1.0	50	TO-220AC
SR1630	16	30	200	0.65	16	1.0	50	TO-220AC
SR1640	16	40	200	0.65	16	1.0	50	TO-220AC
SR1650	16	50	200	0.75	16	1.0	50	TO-220AC
SR1660	16	60	200	0.75	16	1.0	50	TO-220AC
MBR1635PT	16	35	150	0.63	8.0	0.1	15 ¹⁾	TO-247AD
MBR1645PT	16	45	150	0.63	8.0	0.1	15 ¹⁾	TO-247AD
MBR1650PT	16	50	150	0.75	8.0	1.0	50 ¹⁾	TO-247AD
MBR1660PT	16	60	150	0.75	8.0	1.0	50 ¹⁾	TO-247AD
MBR1680PT	16	80	150	0.85	8.0	1.0	100 ¹⁾	TO-247AD
MBR16100PT	16	100	150	0.85	8.0	1.0	100 ¹⁾	TO-247AD
MBRB1635CT	16	35	150	0.63	8.0	0.1	15 ¹⁾	D ² PAK
MBRB1645CT	16	45	150	0.63	8.0	0.1	15 ¹⁾	D ² PAK
MBRB1650CT	16	50	150	0.75	8.0	1.0	50 ¹⁾	D ² PAK
MBRB1660CT	16	60	150	0.75	8.0	1.0	50 ¹⁾	D ² PAK
MBRB1680CT	16	80	150	0.85	8.0	1.0	100 ¹⁾	D ² PAK
MBRB16100CT	16	100	150	0.85	8.0	1.0	100 ¹⁾	D ² PAK
MBRF1635CT	16	35	150	0.63	8.0	0.1	15 ¹⁾	ITO-220AB
MBRF1645CT	16	45	150	0.63	8.0	0.1	15 ¹⁾	ITO-220AB
MBRF1650CT	16	50	150	0.75	8.0	1.0	50 ¹⁾	ITO-220AB
MBRF1660CT	16	60	150	0.75	8.0	1.0	50 ¹⁾	ITO-220AB
MBRF1680CT	16	80	150	0.85	8.0	1.0	100 ¹⁾	ITO-220AB
MBRF16100CT	16	100	150	0.85	8.0	1.0	100 ¹⁾	ITO-220AB
SBL1630CT	16	30	250	0.55	8.0	0.5	50	TO-220AB
SBL1635CT	16	35	250	0.55	8.0	0.5	50	TO-220AB
SBL1640CT	16	40	250	0.55	8.0	0.5	50	TO-220AB
SBL1645CT	16	45	250	0.55	8.0	0.5	50	TO-220AB
SBL1650CT	16	50	250	0.70	8.0	0.5	50	TO-220AB
SBL1660CT	16	60	250	0.70	8.0	0.5	50	TO-220AB
SBL1680CT	16	80	250	0.85	8.0	0.5	50	TO-220AB
SBL16100CT	16	100	250	0.85	8.0	0.5	50	TO-220AB
SBL1630PT	16	30	250	0.55	8.0	0.5	50	TO-247AD
SBL1635PT	16	35	250	0.55	8.0	0.5	50	TO-247AD
SBL1640PT	16	40	250	0.55	8.0	0.5	50	TO-247AD
SBL1645PT	16	45	250	0.55	8.0	0.5	50	TO-247AD

Note: 1) $T_A=125^{\circ}\text{C}$



ITO-220AC



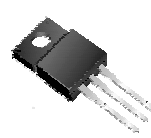
TO-220AC



TO-247AD / TO-3P



D²PAK / TO-263AB



ITO-220AB

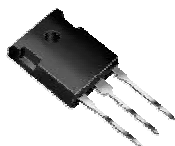


TO-220AB

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$	
	A	V	A	V	A	mA	mA	
SBL1650PT	16	50	250	0.75	8.0	0.5	50	TO-247AD
SBL1660PT	16	60	250	0.75	8.0	0.5	50	TO-247AD
SBL1680PT	16	80	250	0.85	8.0	0.5	50	TO-247AD
SBL16100PT	16	100	250	0.85	8.0	0.5	50	TO-247AD
SBLB1630CT	16	30	250	0.55	8.0	0.5	50	D ² PAK
SBLB1635CT	16	35	250	0.55	8.0	0.5	50	D ² PAK
SBLB1640CT	16	40	250	0.55	8.0	0.5	50	D ² PAK
SBLB1645CT	16	45	250	0.55	8.0	0.5	50	D ² PAK
SBLB1650CT	16	50	250	0.75	8.0	0.5	50	D ² PAK
SBLB1660CT	16	60	250	0.75	8.0	0.5	50	D ² PAK
SBLB1680CT	16	80	250	0.85	8.0	0.5	50	D ² PAK
SBLB16100CT	16	100	250	0.85	8.0	0.5	50	D ² PAK
SBLF1630CT	16	30	250	0.55	8.0	0.5	50	ITO-220AB
SBLF1635CT	16	35	250	0.55	8.0	0.5	50	ITO-220AB
SBLF1640CT	16	40	250	0.55	8.0	0.5	50	ITO-220AB
SBLF1645CT	16	45	250	0.55	8.0	0.5	50	ITO-220AB
SBLF1650CT	16	50	250	0.70	8.0	0.5	50	ITO-220AB
SBLF1660CT	16	60	250	0.70	8.0	0.5	50	ITO-220AB
SBLF1680CT	16	80	250	0.85	8.0	0.5	50	ITO-220AB
SBLF16100CT	16	100	250	0.85	8.0	0.5	50	ITO-220AB
SR1620CT	16	20	200	0.65	8.0	1.0	50	TO-220AB
SR1630CT	16	30	200	0.65	8.0	1.0	50	TO-220AB
SR1640CT	16	40	200	0.65	8.0	1.0	50	TO-220AB
SR1650CT	16	50	200	0.75	8.0	1.0	50	TO-220AB
SR1660CT	16	60	200	0.75	8.0	1.0	50	TO-220AB
MBR2030CT	20	30	150	0.84	20	0.1	15 ¹⁾	TO-220AB
MBR2035CT	20	35	150	0.84	20	0.1	15 ¹⁾	TO-220AB
MBR2040CT	20	40	150	0.84	20	0.1	15 ¹⁾	TO-220AB
MBR2045CT	20	45	150	0.84	20	0.1	15 ¹⁾	TO-220AB
MBR2050CT	20	50	150	0.75	10	0.15	50 ¹⁾	TO-220AB
MBR2060CT	20	60	150	0.75	10	0.15	50 ¹⁾	TO-220AB
MBR2070CT	20	70	150	0.85	10	0.15	50 ¹⁾	TO-220AB
MBR2080CT	20	80	150	0.85	10	0.15	50 ¹⁾	TO-220AB
MBR2090CT	20	90	150	0.85	10	0.15	50 ¹⁾	TO-220AB
MBR20100CT	20	100	150	0.85	10	0.15	50 ¹⁾	TO-220AB
MBR2030PT	20	30	150	0.84	20	0.1	15 ¹⁾	TO-247AD
MBR2035PT	20	35	150	0.84	20	0.1	15 ¹⁾	TO-247AD
MBR2040PT	20	40	150	0.84	20	0.1	15 ¹⁾	TO-247AD

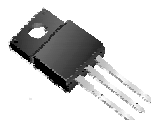
Note: 1) $T_A=125^{\circ}C$



TO-247AD / TO-3P



D²PAK / TO-263AB



ITO-220AB

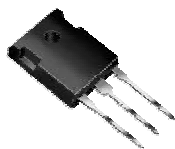


TO-220AB

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
MBR2045PT	20	45	150	0.84	20	0.10	15 ¹⁾	TO-247AD
MBR2050PT	20	50	150	0.75	10	0.15	50 ¹⁾	TO-247AD
MBR2060PT	20	60	150	0.75	10	0.15	50 ¹⁾	TO-247AD
MBR2070PT	20	70	150	0.85	10	0.15	50 ¹⁾	TO-247AD
MBR2080PT	20	80	150	0.85	10	0.15	50 ¹⁾	TO-247AD
MBR2090PT	20	90	150	0.85	10	0.15	50 ¹⁾	TO-247AD
MBR20100PT	20	100	150	0.85	10	0.15	50 ¹⁾	TO-247AD
MBRB2030CT	20	30	150	0.84	20	0.10	15 ¹⁾	D ² PAK
MBRB2035CT	20	35	150	0.84	20	0.10	15 ¹⁾	D ² PAK
MBRB2040CT	20	40	150	0.84	20	0.10	15 ¹⁾	D ² PAK
MBRB2045CT	20	45	150	0.84	20	0.10	15 ¹⁾	D ² PAK
MBRB2050CT	20	50	150	0.75	10	0.15	50 ¹⁾	D ² PAK
MBRB2060CT	20	60	150	0.75	10	0.15	50 ¹⁾	D ² PAK
MBRB2070CT	20	70	150	0.85	10	0.15	50 ¹⁾	D ² PAK
MBRB2080CT	20	80	150	0.85	10	0.15	50 ¹⁾	D ² PAK
MBRB2090CT	20	90	150	0.85	10	0.15	50 ¹⁾	D ² PAK
MBRB20100CT	20	100	150	0.85	10	0.15	50 ¹⁾	D ² PAK
MBRF2030CT	20	30	150	0.84	20	0.10	15 ¹⁾	ITO-220AB
MBRF2035CT	20	35	150	0.84	20	0.10	15 ¹⁾	ITO-220AB
MBRF2040CT	20	40	150	0.84	20	0.10	15 ¹⁾	ITO-220AB
MBRF2045CT	20	45	150	0.84	20	0.10	15 ¹⁾	ITO-220AB
MBRF2050CT	20	50	150	0.75	10	0.15	50 ¹⁾	ITO-220AB
MBRF2060CT	20	60	150	0.75	10	0.15	50 ¹⁾	ITO-220AB
MBRF2070CT	20	70	150	0.85	10	0.15	50 ¹⁾	ITO-220AB
MBRF2080CT	20	80	150	0.85	10	0.15	50 ¹⁾	ITO-220AB
MBRF2090CT	20	90	150	0.85	10	0.15	50 ¹⁾	ITO-220AB
MBRF20100CT	20	100	150	0.85	10	0.15	50 ¹⁾	ITO-220AB
SBL2030CT	20	30	250	0.55	10	1.0	50	TO-220AB
SBL2035CT	20	35	250	0.55	10	1.0	50	TO-220AB
SBL2040CT	20	40	250	0.55	10	1.0	50	TO-220AB
SBL2045CT	20	45	250	0.55	10	1.0	50	TO-220AB
SBL2050CT	20	50	250	0.75	10	1.0	50	TO-220AB
SBL2060CT	20	60	250	0.75	10	1.0	50	TO-220AB
SBL2080CT	20	80	250	0.85	10	1.0	50	TO-220AB
SBL20100CT	20	100	250	0.85	10	1.0	50	TO-220AB
SBL2030PT	20	30	250	0.55	10	1.0	50	TO-247AD
SBL2035PT	20	35	250	0.55	10	1.0	50	TO-247AD
SBL2040PT	20	40	250	0.55	10	1.0	50	TO-247AD

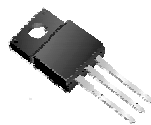
Note: 1) $T_A=125^{\circ}\text{C}$



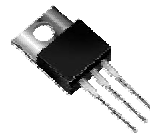
TO-247AD / TO-3P



D²PAK / TO-263AB



ITO-220AB

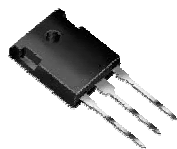


TO-220AB

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25\text{ }^{\circ}\text{C}$	$T_A=100\text{ }^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
SBL2045PT	20	45	250	0.55	10	1.0	50	TO-247AD
SBL2050PT	20	50	250	0.75	10	1.0	50	TO-247AD
SBL2060PT	20	60	250	0.75	10	1.0	50	TO-247AD
SBL2080PT	20	80	250	0.85	10	1.0	50	TO-247AD
SBL20100PT	20	100	250	0.85	10	1.0	50	TO-247AD
SBLB2030CT	20	30	250	0.55	10	1.0	50	D ² PAK
SBLB2035CT	20	35	250	0.55	10	1.0	50	D ² PAK
SBLB2040CT	20	40	250	0.55	10	1.0	50	D ² PAK
SBLB2045CT	20	45	250	0.55	10	1.0	50	D ² PAK
SBLB2050CT	20	50	250	0.75	10	1.0	50	D ² PAK
SBLB2060CT	20	60	250	0.75	10	1.0	50	D ² PAK
SBLB2080CT	20	80	250	0.85	10	1.0	50	D ² PAK
SBLB20100CT	20	100	250	0.85	10	1.0	50	D ² PAK
SBLF2030CT	20	30	250	0.55	10	1.0	50	ITO-220AB
SBLF2035CT	20	35	250	0.55	10	1.0	50	ITO-220AB
SBLF2040CT	20	40	250	0.55	10	1.0	50	ITO-220AB
SBLF2045CT	20	45	250	0.55	10	1.0	50	ITO-220AB
SBLF2050CT	20	50	250	0.75	10	1.0	50	ITO-220AB
SBLF2060CT	20	60	250	0.75	10	1.0	50	ITO-220AB
SBLF2080CT	20	80	250	0.85	10	1.0	50	ITO-220AB
SBLF20100CT	20	100	250	0.85	10	1.0	50	ITO-220AB
SR2020CT	20	20	150	0.65	10	1.0	50	TO-220AB
SR2030CT	20	30	150	0.65	10	1.0	50	TO-220AB
SR2040CT	20	40	150	0.65	10	1.0	50	TO-220AB
SR2050CT	20	50	150	0.75	10	1.0	50	TO-220AB
SR2060CT	20	60	150	0.75	10	1.0	50	TO-220AB
MBR2530CT	25	30	150	0.82	30	0.2	40 ¹⁾	TO-220AB
MBR2535CT	25	35	150	0.82	30	0.2	40 ¹⁾	TO-220AB
MBR2540CT	25	40	150	0.82	30	0.2	40 ¹⁾	TO-220AB
MBR2545CT	25	45	150	0.82	30	1.0	50 ¹⁾	TO-220AB
MBR2550CT	25	50	150	0.75	15	1.0	50 ¹⁾	TO-220AB
MBR2560CT	25	60	150	0.75	15	1.0	50 ¹⁾	TO-220AB
MBR2580CT	25	80	150	0.85	15	1.0	50 ¹⁾	TO-220AB
MBR25100CT	25	100	150	0.85	15	1.0	50 ¹⁾	TO-220AB
MBRB2530CT	25	30	150	0.82	30	0.2	40 ¹⁾	D ² PAK
MBRB2535CT	25	35	150	0.82	30	0.2	40 ¹⁾	D ² PAK
MBRB2540CT	25	40	150	0.82	30	0.2	40 ¹⁾	D ² PAK
MBRB2545CT	25	45	150	0.82	30	1.0	50 ¹⁾	D ² PAK

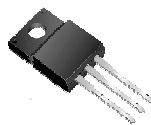
Note: 1) $T_A=125\text{ }^{\circ}\text{C}$



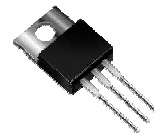
TO-247AD / TO-3P



D²PAK / TO-263AB



ITO-220AB



TO-220AB

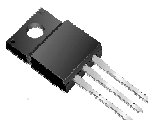
Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
MBRB2550CT	25	50	150	0.75	15	1.0	50 ¹⁾	D ² PAK
MBRB2560CT	25	60	150	0.75	15	1.0	50 ¹⁾	D ² PAK
MBRB2580CT	25	80	150	0.85	15	1.0	50 ¹⁾	D ² PAK
MBRB25100CT	25	100	150	0.85	15	1.0	50 ¹⁾	D ² PAK
MBRF2530CT	25	30	150	0.82	30	0.2	40 ¹⁾	ITO-220AB
MBRF2535CT	25	35	150	0.82	30	0.2	40 ¹⁾	ITO-220AB
MBRF2540CT	25	40	150	0.82	30	0.2	40 ¹⁾	ITO-220AB
MBRF2545CT	25	45	150	0.82	30	1.0	50 ¹⁾	ITO-220AB
MBRF2550CT	25	50	150	0.75	15	1.0	50 ¹⁾	ITO-220AB
MBRF2560CT	25	60	150	0.75	15	1.0	50 ¹⁾	ITO-220AB
MBRF2580CT	25	80	150	0.85	15	1.0	50 ¹⁾	ITO-220AB
MBRF25100CT	25	100	150	0.85	15	1.0	50 ¹⁾	ITO-220AB
SBL2530CT	25	30	250	0.55	12.5	1.0	75	TO-220AB
SBL2535CT	25	35	250	0.55	12.5	1.0	75	TO-220AB
SBL2540CT	25	40	250	0.55	12.5	1.0	75	TO-220AB
SBL2545CT	25	45	250	0.55	12.5	1.0	75	TO-220AB
SBL2550CT	25	50	250	0.70	12.5	1.0	75	TO-220AB
SBL2560CT	25	60	250	0.70	12.5	1.0	75	TO-220AB
SBL2580CT	25	80	250	0.85	12.5	1.0	75	TO-220AB
SBL25100CT	25	100	250	0.85	12.5	1.0	75	TO-220AB
SBLB2520CT	25	20	250	0.57	12.5	1.0	50	D ² PAK
SBLB2530CT	25	30	250	0.57	12.5	1.0	50	D ² PAK
SBLB2540CT	25	40	250	0.57	12.5	1.0	50	D ² PAK
SBLB2560CT	25	60	250	0.75	12.5	1.0	50	D ² PAK
SBLB2580CT	25	80	250	0.85	12.5	1.0	50	D ² PAK
SBLB25100CT	25	100	250	0.85	12.5	1.0	50	D ² PAK
SBLF2530CT	25	30	250	0.57	12.5	1.0	50	ITO-220AB
SBLF2535CT	25	35	250	0.57	12.5	1.0	50	ITO-220AB
SBLF2540CT	25	40	250	0.57	12.5	1.0	50	ITO-220AB
SBLF2545CT	25	45	250	0.57	12.5	1.0	50	ITO-220AB
SBLF2550CT	25	50	250	0.75	12.5	1.0	50	ITO-220AB
SBLF2560CT	25	60	250	0.75	12.5	1.0	50	ITO-220AB
SBLF2580CT	25	80	250	0.85	12.5	1.0	50	ITO-220AB
SBLF25100CT	25	100	250	0.85	12.5	1.0	50	ITO-220AB
MBR3030CT	30	30	200	0.84	30	1.0	60 ¹⁾	TO-220AB
MBR3035CT	30	35	200	0.84	30	1.0	60 ¹⁾	TO-220AB
MBR3040CT	30	40	200	0.84	30	1.0	60 ¹⁾	TO-220AB
MBR3045CT	30	45	200	0.84	30	1.0	60 ¹⁾	TO-220AB

Note: 1) $T_A=125^{\circ}\text{C}$



D²PAK / TO-263AB



ITO-220AB

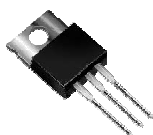


TO-220AB

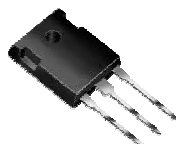
Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
MBR3050CT	30	50	200	0.95	30	0.2	40 ¹⁾	TO-220AB
MBR3060CT	30	60	200	0.95	30	0.2	40 ¹⁾	TO-220AB
MBR3080CT	30	80	200	0.85	15	0.2	40 ¹⁾	TO-220AB
MBR30100CT	30	100	200	0.85	15	0.2	40 ¹⁾	TO-220AB
MBR3030PT	30	30	200	0.84	30	1.0	60 ¹⁾	TO-247AD
MBR3035PT	30	35	200	0.84	30	1.0	60 ¹⁾	TO-247AD
MBR3040PT	30	40	200	0.84	30	1.0	60 ¹⁾	TO-247AD
MBR3045PT	30	45	200	0.84	30	1.0	60 ¹⁾	TO-247AD
MBR3050PT	30	50	200	0.95	30	0.2	40 ¹⁾	TO-247AD
MBR3060PT	30	60	200	0.95	30	0.2	40 ¹⁾	TO-247AD
MBR3080PT	30	80	200	0.85	15	0.2	40 ¹⁾	TO-247AD
MBR30100PT	30	100	200	0.85	15	0.2	40 ¹⁾	TO-247AD
MBRB3030CT	30	30	200	0.84	30	1.0	60 ¹⁾	D ² PAK
MBRB3035CT	30	35	200	0.84	30	1.0	60 ¹⁾	D ² PAK
MBRB3040CT	30	40	200	0.84	30	1.0	60 ¹⁾	D ² PAK
MBRB3045CT	30	45	200	0.84	30	1.0	60 ¹⁾	D ² PAK
MBRB3050CT	30	50	200	0.95	30	0.2	40 ¹⁾	D ² PAK
MBRB3060CT	30	60	200	0.95	30	0.2	40 ¹⁾	D ² PAK
MBRB3080CT	30	80	200	0.85	15	0.2	40 ¹⁾	D ² PAK
MBRB30100CT	30	100	200	0.85	15	0.2	40 ¹⁾	D ² PAK
MBRF3030CT	30	30	200	0.84	30	1.0	60 ¹⁾	ITO-220AB
MBRF3035CT	30	35	200	0.84	30	1.0	60 ¹⁾	ITO-220AB
MBRF3040CT	30	40	200	0.84	30	1.0	60 ¹⁾	ITO-220AB
MBRF3045CT	30	45	200	0.84	30	1.0	60 ¹⁾	ITO-220AB
MBRF3050CT	30	50	200	0.95	30	0.2	40 ¹⁾	ITO-220AB
MBRF3060CT	30	60	200	0.95	30	0.2	40 ¹⁾	ITO-220AB
MBRF3080CT	30	80	200	0.85	15	0.2	40 ¹⁾	ITO-220AB
MBRF30100CT	30	100	200	0.85	15	0.2	40 ¹⁾	ITO-220AB
SBL3030CT	30	30	250	0.55	15	1.0	75	TO-220AB
SBL3035CT	30	35	250	0.55	15	1.0	75	TO-220AB
SBL3040CT	30	40	250	0.55	15	1.0	75	TO-220AB
SBL3045CT	30	45	250	0.55	15	1.0	75	TO-220AB
SBL3050CT	30	50	250	0.70	15	1.0	75	TO-220AB
SBL3060CT	30	60	250	0.70	15	1.0	75	TO-220AB
SBL3080CT	30	80	250	0.85	15	1.0	75	TO-220AB
SBL30100CT	30	100	250	0.85	15	1.0	75	TO-220AB
SBL3030PT	30	30	275	0.55	15	1.0	75	TO-247AD
SBL3035PT	30	35	275	0.55	15	1.0	75	TO-247AD

Note: 1) $T_A=125^{\circ}\text{C}$



TO-220AB



TO-247AD / TO-3P



D²PAK / TO-263AB

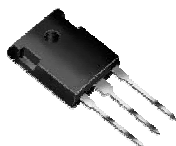


ITO-220AB

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	
	A	V	A	V	A	mA	mA	
SBL3040PT	30	40	275	0.55	15	1.0	75	TO-247AD
SBL3045PT	30	45	275	0.55	15	1.0	75	TO-247AD
SBL3050PT	30	50	275	0.75	15	1.0	75	TO-247AD
SBL3060PT	30	60	275	0.75	15	1.0	75	TO-247AD
SBL3080PT	30	80	275	0.85	15	1.0	75	TO-247AD
SBL30100PT	30	100	275	0.85	15	1.0	75	TO-247AD
SBLB3030CT	30	30	250	0.55	15	1.0	75	D ² PAK
SBLB3035CT	30	35	250	0.55	15	1.0	75	D ² PAK
SBLB3040CT	30	40	250	0.55	15	1.0	75	D ² PAK
SBLB3045CT	30	45	250	0.55	15	1.0	75	D ² PAK
SBLB3050CT	30	50	250	0.75	15	1.0	75	D ² PAK
SBLB3060CT	30	60	250	0.75	15	1.0	75	D ² PAK
SBLB3080CT	30	80	250	0.85	15	1.0	75	D ² PAK
SBLB30100CT	30	100	250	0.85	15	1.0	75	D ² PAK
SBLF3030CT	30	30	250	0.55	15	1.0	75	ITO-220AB
SBLF3035CT	30	35	250	0.55	15	1.0	75	ITO-220AB
SBLF3040CT	30	40	250	0.55	15	1.0	75	ITO-220AB
SBLF3045CT	30	45	250	0.55	15	1.0	75	ITO-220AB
SBLF3050CT	30	50	250	0.70	15	1.0	75	ITO-220AB
SBLF3060CT	30	60	250	0.70	15	1.0	75	ITO-220AB
SBLF3080CT	30	80	250	0.85	15	1.0	75	ITO-220AB
SBLF30100CT	30	100	250	0.85	15	1.0	75	ITO-220AB
MBR4030PT	40	30	400	0.70	20	1.0	100 ¹⁾	TO-247AD
MBR4035PT	40	35	400	0.70	20	1.0	100 ¹⁾	TO-247AD
MBR4040PT	40	40	400	0.70	20	1.0	100 ¹⁾	TO-247AD
MBR4045PT	40	45	400	0.70	20	1.0	100 ¹⁾	TO-247AD
MBR4050PT	40	50	400	0.80	20	1.0	100 ¹⁾	TO-247AD
MBR4060PT	40	60	400	0.80	20	1.0	100 ¹⁾	TO-247AD
MBR4080PT	40	80	400	0.85	20	1.0	100 ¹⁾	TO-247AD
MBR40100PT	40	100	400	0.85	20	1.0	100 ¹⁾	TO-247AD
SBL4030PT	40	30	375	0.58	20	10	100	TO-247AD
SBL4035PT	40	35	375	0.58	20	10	100	TO-247AD
SBL4040PT	40	40	375	0.58	20	10	100	TO-247AD
SBL4045PT	40	45	375	0.58	20	10	100	TO-247AD
SBL4050PT	40	50	375	0.75	20	10	100	TO-247AD
SBL4060PT	40	60	375	0.75	20	10	100	TO-247AD
SBL4080PT	40	80	375	0.85	20	10	100	TO-247AD
SBL40100PT	40	100	375	0.85	20	10	100	TO-247AD

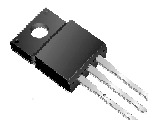
Note: 1) $T_A=125^{\circ}\text{C}$



TO-247AD / TO-3P



D²PAK / TO-263AB

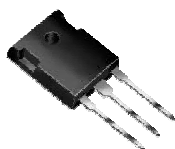


ITO-220AB

Schottky barrier rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$	
	A	V	A	V	A	mA	mA	
MBR6030PT	60	30	500	0.62	30	20	200 ¹⁾	TO-247AD
MBR6035PT	60	35	500	0.62	30	20	200 ¹⁾	TO-247AD
MBR6040PT	60	40	500	0.62	30	20	200 ¹⁾	TO-247AD
MBR6045PT	60	45	500	0.62	30	20	200 ¹⁾	TO-247AD
MBR6050PT	60	50	500	0.75	30	20	200 ¹⁾	TO-247AD
MBR6060PT	60	60	500	0.75	30	20	200 ¹⁾	TO-247AD
MBR6080PT	60	80	500	0.85	30	20	200 ¹⁾	TO-247AD
MBR60100PT	60	100	500	0.85	30	20	200 ¹⁾	TO-247AD
SBL6030PT	60	30	500	0.62	30	20	200	TO-247AD
SBL6035PT	60	35	500	0.62	30	20	200	TO-247AD
SBL6040PT	60	40	500	0.62	30	20	200	TO-247AD
SBL6045PT	60	45	500	0.62	30	20	200	TO-247AD
SBL6050PT	60	50	500	0.75	30	20	200	TO-247AD
SBL6060PT	60	60	500	0.75	30	20	200	TO-247AD
SBL6080PT	60	80	500	0.85	30	20	200	TO-247AD
SBL60100PT	60	100	500	0.85	30	20	200	TO-247AD

Note: 1) $T_A=125^{\circ}C$



TO-247AD / TO-3P

Small signal switching diodes

Type	I _(AV)	V _{RRM}	V _R	I _{FSM}	V _{FM}		I _{RM}		t _{tr}	Case Style
		(I=I _{RM})			V _{FM}	I _(AV)	T _A =25°C			
							I _R	V _R		
	A	V	V	A	V	A	μA	V	ns	
Surface Mount Rectifiers										
LL4148	0.15	100	75	0.50	1.0	0.01	5.0	75	4.0	SOD-80
LL4150	0.20	50	35	0.50	1.0	0.20	0.1	50	4.0	SOD-80
LL4151	0.15	75	50	0.50	1.0	0.15	0.05	50	4.0	SOD-80
LL4154	0.15	35	25	0.50	1.0	0.03	0.1	25	2.0	SOD-80
LL4448	0.15	100	75	0.50	1.0	0.01	5.0	75	4.0	SOD-80
BAV100	0.25	60	50	1.00	1.0	0.10	5.0	50	50	SOD-80
BAV101	0.25	120	100	1.00	1.0	0.10	5.0	100	50	SOD-80
BAV102	0.25	200	150	1.00	1.0	0.10	5.0	150	50	SOD-80
BAV103	0.25	250	200	1.00	1.0	0.10	5.0	200	50	SOD-80
Leaded Rectifiers										
1N4148	0.15	100	75	0.50	1.0	0.01	5.0	75	4.0	DO-35
1N4150	0.20	50	35	0.50	1.0	0.20	0.1	50	4.0	DO-35
1N4151	0.15	75	50	0.50	1.0	0.15	0.05	50	4.0	DO-35
1N4154	0.15	35	25	0.50	1.0	0.30	0.1	25	2.0	DO-35
1N4448	0.15	100	75	0.50	1.0	0.01	5.0	75	4.0	DO-35
1N914	0.075	100	75	0.50	1.0	0.01	0.025	20	4.0	DO-35
1SS130	0.13	100	75	0.60	1.0	0.01	0.5	20	4.0	DO-35
1SS131	0.13	90	80	0.40	1.2	0.10	0.5	80	4.0	DO-35
1SS132	0.12	55	50	0.50	1.2	0.10	0.5	50	4.0	DO-35
1SS133	0.13	40	35	0.40	1.2	0.10	0.5	35	4.0	DO-35
1SS134	0.05	40	35	0.20	0.9	0.01	1.0	35	3.0	DO-35
1S1553	0.10	70	60	1.00	1.4	0.10	1.0	20	4.0	DO-35
1S1555	0.10	35	30	1.00	1.4	0.10	1.0	20	4.0	DO-35
BAV17	0.25	25	50	1.00	1.0	0.10	0.1	20	50	DO-35
BAV18	0.25	60	50	1.00	1.0	0.10	0.1	50	50	DO-35
BAV19	0.25	120	100	1.00	1.0	0.10	0.1	100	50	DO-35
BAV20	0.25	200	150	1.00	1.0	0.10	0.1	150	50	DO-35
BAV21	0.25	250	200	1.00	1.0	0.10	0.1	200	50	DO-35
1SS245	0.20	250	220	1.00	1.5	0.20	10	220	75	DO-35
1SS141	0.11	40	35	0.30	1.2	0.10	0.01	20	50	DO-35
1SS144	0.20	200	150	1.00	1.0	0.10	0.5	150	400	DO-35
1SS145	0.20	300	250	1.00	1.0	0.10	0.5	250	400	DO-35
1SS146	0.20	250	200	1.00	1.0	0.10	0.5	200	400	DO-35
1SS147	0.20	200	150	1.00	1.0	0.10	0.5	150	400	DO-35



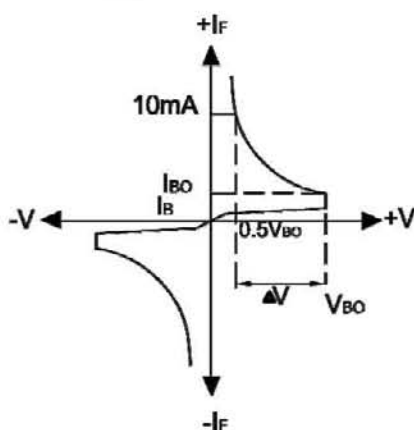
SOD-80 / MINIMELF / LL34

DO-35 / DO-204AH

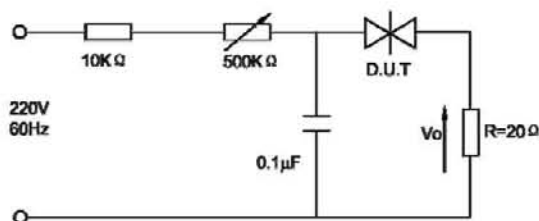
Silicon bidirectional diacs

Type	I_{TRM}	V_{BO}$		|+V_{BO}| - |-V_{BO}|$	$|\pm \Delta V|$	V_o	I_{BO}	t_r	I_B	Case Style
		Min	Max							
DB3S	2.0	28	36	± 3	5.0	5.0	100	1.5	10	R-1
DB4S	2.0	35	45	± 3	5.0	5.0	100	1.5	10	R-1
DB3A	2.0	28	36	± 3	5.0	5.0	100	1.5	10	A-405
DB4A	2.0	35	45	± 3	5.0	5.0	100	1.5	10	A-405
DB3	2.0	28	36	± 3	5.0	5.0	100	1.5	10	DO-35
DB4	2.0	35	45	± 3	5.0	5.0	100	1.5	10	DO-35
DB3M	2.0	28	36	± 3	5.0	5.0	100	1.5	10	MINIMELF
DB4M	2.0	35	45	± 3	5.0	5.0	100	1.5	10	MINIMELF
SODDB3	2.0	28	36	± 3	5.0	5.0	100	1.5	10	SOD-123FL
SODDB4	2.0	35	45	± 3	5.0	5.0	100	1.5	10	SOD-123FL

1. Current - voltage Characteristic



2. Measurement Circuit



R-1



A-405



DO-35



MINI-MELF



SOD-123FL



ZENER DIODES(5.0W)

Type	$V_Z @ I_{ZT}$ V	I_{ZT} mA	Maximum Zener Impedance		Max Reverse Leakage Current		I_{FSM} A	V_Z V	I_{ZM} mA	Case
			$Z_{ZT} @ I_{ZT}$ Ω	$Z_{ZT} @ I_{ZK} = 1mA$ Ω	I_R	V_R				
					μA	V				
1N5333B	3.3	380	3.0	400	300	1.0	20	0.85	1440	DO-27
1N5334B	3.6	350	2.5	500	150	1.0	18.7	0.80	1320	DO-27
1N5335B	3.9	320	2.0	500	50	1.0	17.6	0.54	1220	DO-27
1N5336B	4.3	290	2.0	500	10	1.0	16.4	0.49	1100	DO-27
1N5337B	4.7	260	2.0	450	5.0	1.0	15.3	0.44	1010	DO-27
1N5338B	5.1	240	1.5	400	1.0	1.0	14.4	0.39	930	DO-27
1N5339B	5.6	220	1.0	400	1.0	2.0	13.4	0.25	865	DO-27
1N5340B	6.0	200	1.0	300	1.0	3.0	12.7	0.19	790	DO-27
1N5341B	6.2	200	1.0	200	1.0	3.0	12.4	0.10	765	DO-27
1N5342B	6.8	175	1.0	200	10	5.2	11.5	0.15	700	DO-27
1N5343B	7.5	175	1.5	200	10	5.7	10.7	0.15	630	DO-27
1N5344B	8.2	150	1.5	200	10	6.2	10.0	0.20	580	DO-27
1N5345B	8.7	150	2.0	200	10	6.6	9.5	0.20	545	DO-27
1N5346B	9.1	150	2.0	150	7.5	6.9	9.2	0.22	520	DO-27
1N5347B	10	125	2.0	125	5.0	7.6	8.6	0.22	475	DO-27
1N5348B	11	125	2.5	125	5.0	8.4	8.0	0.25	430	DO-27
1N5349B	12	100	2.5	125	2.0	9.1	7.5	0.25	395	DO-27
1N5350B	13	100	2.5	100	1.0	9.9	7.0	0.25	365	DO-27
1N5351B	14	100	2.5	75	1.0	10.6	6.7	0.25	340	DO-27
1N5352B	15	75	2.5	75	1.0	11.5	6.3	0.25	315	DO-27
1N5353B	16	75	2.5	75	1.0	12.2	6.0	0.30	295	DO-27
1N5354B	17	70	2.5	75	0.5	12.9	5.8	0.35	280	DO-27
1N5355B	18	65	2.5	75	0.5	13.7	5.5	0.40	264	DO-27
1N5356B	19	65	3.0	75	0.5	14.4	5.3	0.40	250	DO-27
1N5357B	20	65	3.0	75	0.5	15.2	5.1	0.40	237	DO-27
1N5358B	22	50	3.5	75	0.5	16.7	4.7	0.45	216	DO-27
1N5359B	24	50	3.5	100	0.5	18.2	4.4	0.55	198	DO-27
1N5360B	25	50	4.0	110	0.5	19.0	4.3	0.55	190	DO-27
1N5361B	27	50	5.0	120	0.5	20.6	4.1	0.60	176	DO-27
1N5362B	28	50	6.0	130	0.5	21.2	3.9	0.60	170	DO-27
1N5363B	30	40	8.0	140	0.5	22.8	3.7	0.60	158	DO-27
1N5364B	33	40	10	150	0.5	25.1	3.5	0.60	144	DO-27
1N5365B	36	30	11	160	0.5	27.4	3.3	0.65	132	DO-27
1N5366B	39	30	14	170	0.5	29.7	3.1	0.65	122	DO-27
1N5367B	43	30	20	190	0.5	32.7	2.8	0.70	110	DO-27
1N5368B	47	25	25	210	0.5	35.8	2.7	0.80	100	DO-27
1N5369B	51	25	27	230	0.5	38.8	2.5	0.90	93	DO-27
1N5370B	56	20	35	280	0.5	42.6	2.3	1.00	86	DO-27
1N5371B	60	20	40	350	0.5	45.5	2.2	1.20	79	DO-27
1N5372B	62	20	42	400	0.5	47.1	2.1	1.35	76	DO-27

Tolerance of zener voltage: $\pm 5\%$ $V_F = 1.2V @ I_F = 1.0A$

ZENER DIODES(5.0W)

Type	V _Z @I _{ZT} V	I _{ZT} mA	Maximum Zener Impedance		Max Reverse Leakage Current		I _{FSM} A	V _Z V	I _{ZM} mA	Case
			Z _{ZT} @I _{ZT} Ω	Z _{ZT} @I _{ZK} =1mA Ω	I _R	V _R				
					μA	V				
1N5373B	68	20	44	500	0.5	51.7	2.0	1.5	70	DO-27
1N5374B	75	20	45	620	0.5	56.0	1.9	1.6	63	DO-27
1N5375B	82	15	65	720	0.5	62.2	1.8	1.8	58	DO-27
1N5376B	87	15	75	760	0.5	66.0	1.7	2.0	54.5	DO-27
1N5377B	91	15	75	760	0.5	69.2	1.6	2.2	52.5	DO-27
1N5378B	100	12	90	800	0.5	76.0	1.5	2.5	47.5	DO-27
1N5379B	110	12	125	1000	0.5	83.6	1.4	2.5	43.0	DO-27
1N5380B	120	10	170	1150	0.5	91.2	1.3	2.5	39.5	DO-27
1N5381B	130	10	190	1250	0.5	98.8	1.2	2.5	36.6	DO-27
1N5382B	140	8.0	230	1500	0.5	106	1.2	2.5	34.0	DO-27
1N5383B	150	8.0	330	1500	0.5	114	1.1	3.0	31.6	DO-27
1N5384B	160	8.0	350	1650	0.5	122	1.1	3.0	29.4	DO-27
1N5385B	170	8.0	380	1750	0.5	129	1.0	3.0	28.0	DO-27
1N5386B	180	5.0	430	1750	0.5	137	1.0	4.0	26.4	DO-27
1N5387B	190	5.0	450	1850	0.5	144	0.9	5.0	25.0	DO-27
1N5388B	200	5.0	480	1850	0.5	152	0.9	5.0	23.6	DO-27

Tolerance of zener voltage: $\pm 5\%$

$V_F = 1.2V$ @ $I_F = 1.0A$



DO-27

ZENER DIODES(500mW)

Type	Nominal Zener Voltage ¹⁾	Test Current	Maximum Dynamic Impedance ¹⁾		Typical Temperature of Coefficient	Maximum Reverse Leakage Current		Case Style
	V _Z	I _{ZT}	Z _{zT} @I _{ZT}	Z _{zK} @ I _{zK} =0.25mA	αV _Z @I _{ZT}	I _{RM}	V _R	
	V	mA	Ω	Ω	%/°C	mA	V	
1N5221B	2.4	20	30	1200	-0.085	100	1.0	DO-35
1N5222B	2.5	20	30	1250	-0.085	100	1.0	DO-35
1N5223B	2.7	20	30	1300	-0.080	75	1.0	DO-35
1N5224B	2.8	20	30	1400	-0.080	75	1.0	DO-35
1N5225B	3.0	20	29	1600	-0.075	50	1.0	DO-35
1N5226B	3.3	20	28	1600	-0.070	25	1.0	DO-35
1N5227B	3.6	20	24	1700	-0.065	15	1.0	DO-35
1N5228B	3.9	20	23	1900	-0.060	10	1.0	DO-35
1N5229B	4.3	20	22	2000	-0.055	5.0	1.0	DO-35
1N5230B	4.7	20	19	1900	+ 0.030	5.0	2.0	DO-35
1N5231B	5.1	20	17	1600	+ 0.030	5.0	2.0	DO-35
1N5232B	5.6	20	11	1600	+ 0.038	5.0	3.0	DO-35
1N5233B	6.0	20	7.0	1600	+ 0.038	5.0	3.5	DO-35
1N5234B	6.2	20	7.0	1000	+ 0.045	5.0	4.0	DO-35
1N5235B	6.8	20	5.0	750	+ 0.050	3.0	5.0	DO-35
1N5236B	7.5	20	6.0	500	+ 0.058	3.0	6.0	DO-35
1N5237B	8.2	20	8.0	500	+ 0.062	3.0	6.5	DO-35
1N5238B	8.7	20	8.0	600	+ 0.065	3.0	6.5	DO-35
1N5239B	9.1	20	10	600	+ 0.068	3.0	7.0	DO-35
1N5240B	10	20	17	600	+ 0.075	3.0	8.0	DO-35
1N5241B	11	20	22	600	+ 0.076	2.0	8.4	DO-35
1N5242B	12	20	30	600	+ 0.077	1.0	9.1	DO-35
1N5243B	13	10	13	600	+ 0.079	0.5	9.9	DO-35
1N5244B	14	9.0	15	600	+ 0.082	0.1	10	DO-35
1N5245B	15	8.5	16	600	+ 0.082	0.1	11	DO-35
1N5246B	16	7.8	17	600	+ 0.083	0.1	12	DO-35
1N5247B	17	7.4	19	600	+ 0.084	0.1	13	DO-35
1N5248B	18	7.0	21	600	+ 0.085	0.1	14	DO-35
1N5249B	19	6.6	23	600	+ 0.086	0.1	14	DO-35
1N5250B	20	6.2	25	600	+ 0.086	0.1	15	DO-35
1N5251B	22	5.6	29	600	+ 0.087	0.1	17	DO-35
1N5252B	24	5.2	33	600	+ 0.087	0.1	18	DO-35
1N5253B	25	5.0	35	600	+ 0.089	0.1	19	DO-35
1N5254B	27	4.6	41	600	+ 0.090	0.1	21	DO-35
1N5255B	28	4.5	44	600	+ 0.091	0.1	21	DO-35
1N5256B	30	4.2	49	600	+ 0.091	0.1	23	DO-35
1N5257B	33	3.8	58	700	+ 0.092	0.1	25	DO-35
1N5258B	36	3.4	70	700	+ 0.093	0.1	27	DO-35

V_F=1.2V @I_F=200m A

¹⁾Based on dc-measurement at thermal equilibrium; lead length=9.5(3/8");thermal resistance of heat sink=30K/W

ZENER DIODES(500mW)

Type	Nominal Zener Voltage ¹⁾	Test Current	Maximum Dynamic Impedance ¹⁾		Typical Temperature of Coefficient	Maximum Reverse Leakage Current		Case Style
	V _Z	I _{ZT}	Z _{zT} @I _{ZT}	Z _{zK} @ I _{zK} =0.25mA	αV _Z @I _{ZT}	I _{RM}	V _R	
	V	mA	Ω	Ω	%/°C	mA	V	
1N5259B	39	3.2	80	800	+ 0.094	0.1	30	DO-35
1N5260B	43	3.0	93	900	+ 0.095	0.1	33	DO-35
1N5261B	47	2.7	105	1000	+ 0.095	0.1	36	DO-35
1N5262B	51	2.5	125	1100	+ 0.096	0.1	39	DO-35
1N5263B	56	2.2	150	1300	+ 0.096	0.1	43	DO-35
1N5264B	60	2.1	170	1400	+ 0.097	0.1	46	DO-35
1N5265B	62	2.0	185	1400	+ 0.097	0.1	47	DO-35
1N5266B	68	1.8	230	1600	+ 0.097	0.1	52	DO-35
1N5267B	75	1.7	270	1700	+ 0.098	0.1	56	DO-35
1N5268B	85	1.5	330	2000	+ 0.098	0.1	62	DO-35
1N5269B	87	1.4	370	2200	+ 0.099	0.1	68	DO-35
1N5270B	91	1.4	400	2300	+ 0.099	0.1	69	DO-35
1N5271B	100	1.3	500	2600	+ 0.099	0.1	76	DO-35
1N5272B	110	1.1	750	3000	+ 0.11	0.1	84	DO-35
1N5273B	120	1.0	900	4000	+ 0.11	0.1	91	DO-35
1N5274B	130	0.95	1100	4500	+ 0.11	0.1	99	DO-35
1N5275B	140	0.90	1300	4500	+ 0.11	0.1	106	DO-35
1N5276B	150	0.95	1500	5000	+ 0.11	0.1	114	DO-35
1N5277B	160	0.80	1700	5500	+ 0.11	0.1	122	DO-35
1N5278B	170	0.74	1900	5500	+ 0.11	0.1	129	DO-35
1N5279B	180	0.68	2200	6000	+ 0.11	0.1	137	DO-35

V_F=1.2V @I_F=200m A¹⁾Based on dc-measurement at thermal equilibrium; lead length=9.5(3/8");thermal resistance of heat sink=30K/W

DO-35

ZENER DIODES(500mW)

Type	Zener Voltage Range ¹⁾		Dynamic Resistance		Test Current	Temperature Coefficient		Reverse Leakage Current			Test Current	Case Style
	$V_Z @ I_{ZT}$		$r_{zjT} @ I_{ZT}$ f=1KHz	$r_{zjK} @ I_{ZK}$ f=1KHz	I_{ZT}	α_{VZ}		$I_R @$ $T_{amb}=25^{\circ}C$	$I_R @$ $T_{amb}=150^{\circ}C$	@ V_R	I_{ZK}	
	V		Ω		m A	% / K		μA			V	
	Min.	Max.				Min.	Max.				mA	
BZX55C2V4	2.28	2.56	85	600	5.0	-0.090	-0.060	50	100	1.0	1.0	DO-35
BZX55C2V7	2.5	2.9	85	600	5.0	-0.090	-0.060	10	50	1.0	1.0	DO-35
BZX55C3V0	2.8	3.2	85	600	5.0	-0.080	-0.050	4.0	40	1.0	1.0	DO-35
BZX55C3V3	3.1	3.5	85	600	5.0	-0.080	-0.050	2.0	40	1.0	1.0	DO-35
BZX55C3V6	3.4	3.8	85	600	5.0	-0.080	-0.050	2.0	40	1.0	1.0	DO-35
BZX55C3V9	3.7	4.1	85	600	5.0	-0.080	-0.050	2.0	40	1.0	1.0	DO-35
BZX55C4V3	4.0	4.6	75	600	5.0	-0.060	-0.030	1.0	20	1.0	1.0	DO-35
BZX55C4V7	4.4	5.0	60	600	5.0	-0.050	0.020	0.5	10	1.0	1.0	DO-35
BZX55C5V1	4.8	5.4	35	550	5.0	-0.020	0.020	0.1	2.0	1.0	1.0	DO-35
BZX55C5V6	5.2	6.0	25	450	5.0	-0.050	0.050	0.1	2.0	1.0	1.0	DO-35
BZX55C6V2	5.8	6.6	10	200	5.0	0.030	0.060	0.1	2.0	2.0	1.0	DO-35
BZX55C6V8	6.4	7.2	8.0	150	5.0	0.030	0.070	0.1	2.0	3.0	1.0	DO-35
BZX55C7V5	7.0	7.9	7.0	50	5.0	0.030	0.070	0.1	2.0	5.0	1.0	DO-35
BZX55C8V2	7.7	8.7	7.0	50	5.0	0.030	0.080	0.1	2.0	6.2	1.0	DO-35
BZX55C9V1	8.5	9.6	10	50	5.0	0.030	0.090	0.1	2.0	6.8	1.0	DO-35
BZX55C10	9.4	10.6	15	70	5.0	0.030	0.100	0.1	2.0	7.5	1.0	DO-35
BZX55C11	10.4	11.6	20	70	5.0	0.030	0.110	0.1	2.0	8.2	1.0	DO-35
BZX55C12	11.4	12.7	20	90	5.0	0.030	0.110	0.1	2.0	9.1	1.0	DO-35
BZX55C13	12.4	14.1	26	110	5.0	0.030	0.110	0.1	2.0	10	1.0	DO-35
BZX55C15	13.8	15.6	30	110	5.0	0.030	0.110	0.1	2.0	11	1.0	DO-35
BZX55C16	15.3	17.1	40	170	5.0	0.030	0.110	0.1	2.0	12	1.0	DO-35
BZX55C18	16.8	19.1	50	170	5.0	0.030	0.110	0.1	2.0	13	1.0	DO-35
BZX55C20	18.8	21.2	55	220	5.0	0.030	0.110	0.1	2.0	15	1.0	DO-35
BZX55C22	20.8	23.3	55	220	5.0	0.040	0.120	0.1	2.0	16	1.0	DO-35
BZX55C24	22.8	25.6	80	220	5.0	0.040	0.120	0.1	2.0	18	1.0	DO-35
BZX55C27	25.1	28.9	80	220	5.0	0.040	0.120	0.1	2.0	20	1.0	DO-35
BZX55C30	28	32	80	220	5.0	0.040	0.120	0.1	2.0	22	1.0	DO-35
BZX55C33	31	35	80	220	5.0	0.040	0.120	0.1	2.0	24	1.0	DO-35
BZX55C36	34	38	80	220	5.0	0.040	0.120	0.1	2.0	27	1.0	DO-35
BZX55C39	37	41	90	500	2.5	0.040	0.120	0.1	5.0	30	0.5	DO-35
BZX55C43	40	46	90	600	2.5	0.040	0.120	0.1	5.0	33	0.5	DO-35
BZX55C47	44	50	110	700	2.5	0.040	0.120	0.1	5.0	36	0.5	DO-35
BZX55C51	48	54	125	700	2.5	0.040	0.120	0.1	10	39	0.5	DO-35
BZX55C56	52	60	135	1000	2.5	0.040	0.120	0.1	10	43	0.5	DO-35
BZX55C62	58	66	150	1000	2.5	0.040	0.120	0.1	10	47	0.5	DO-35
BZX55C68	64	72	200	1000	2.5	0.040	0.120	0.1	10	51	0.5	DO-35
BZX55C75	70	79	250	1500	2.5	0.040	0.120	0.1	10	56	0.5	DO-35

$V_F=1.5V @ I_F=200mA$

1) Tighter tolerances available on request: suffix "C" for $\pm 5\%$.

suffix "A" for $\pm 1\%$. suffix "B" for $\pm 2\%$.



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ZENER DIODES(500mW)

Suffix Type V_Z		1		2		3		I_{ZM}	Case Style
		Min	Max	Min	Max	Min	Max		
		V	V	V	V	V	V	mA	
HZ2	B	1.9	2.1	2.0	2.2	2.1	2.3	192	DO-35
	C	2.2	2.4	2.3	2.5	2.4	2.6		
HZ3	A	2.5	2.7	2.6	2.8	2.7	2.9	151	
	B	2.8	3.0	2.9	3.1	3.0	3.2		
	C	3.1	3.3	3.2	3.4	3.3	3.5		
HZ4	A	3.4	3.6	3.5	3.7	3.6	3.8	115	
	B	3.7	3.9	3.8	4.0	3.9	4.1		
	C	4.0	4.2	4.1	4.3	4.2	4.4		
HZ5	A	4.3	4.5	4.4	4.6	4.5	4.7	89	
	B	4.6	4.8	4.7	4.9	4.8	5.2		
	C	4.9	5.1	5.0	5.2	5.1	5.3		
HZ6	A	5.2	5.5	5.3	5.6	5.4	5.7	76	
	B	5.5	5.8	5.6	5.9	5.7	6.0		
	C	5.8	6.1	6.0	6.3	6.1	6.4		
HZ7	A	6.3	6.6	6.4	6.7	6.6	6.9	68	
	B	6.7	7.0	6.9	7.2	7.0	7.3		
	C	7.2	7.5	7.3	7.7	7.5	7.9		
HZ9	A	7.7	8.1	7.9	8.3	8.1	8.5	50	
	B	8.3	8.7	8.5	8.9	8.7	9.1		
	C	8.9	9.3	9.1	9.5	9.3	9.7		
HZ11	A	9.5	9.9	9.7	10.1	9.9	10.3	41	
	B	10.2	10.6	10.4	10.8	10.7	11.1		
	C	10.9	11.3	11.1	11.6	11.4	11.9		
HZ12	A	11.6	12.1	11.9	12.4	12.2	12.7	38	
	B	12.4	12.9	12.6	13.1	12.9	13.4		
	C	13.2	13.7	13.5	14.0	13.8	14.3		
HZ15		14.1	14.7	14.5	15.1	14.9	15.5	30	
HZ16		15.3	15.9	15.7	16.5	16.3	17.1	28	
HZ18		16.9	17.7	17.5	18.3	18.1	19.0	25	
HZ20		18.8	19.7	19.5	20.4	20.2	21.1	23	
HZ22		20.9	21.9	21.6	22.6	22.3	23.3	21	
HZ24		22.0	24.0	23.6	24.7	24.3	25.5	19.1	
HZ27		25.2	26.6	26.2	27.6	27.2	28.6	16.8	
HZ30		28.2	29.6	29.2	30.6	30.2	31.6	15.1	
HZ33		31.2	32.6	32.2	33.6	33.2	34.6	13.8	
HZ36		34.2	35.7	35.3	36.8	36.4	38.0	12.6	

V_F=1.1V @ I_F=100mA

Zener voltage range at I_Z=5mA.


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ZENER DIODES(500mW)

Type	Nominal Zener Voltage				Test Current	Max			Maximum Reverse Leakage Current		Case	
	V _Z (V)					I _{ZT}	Z _{ZT}	Z _{zk}	I _{zk}	I _R		V _R
	A	B	C	D		mA	Ω	Ω	mA	μA		V
MTZJ2.0	1.880~2.100	2.020~2.200	-	-	5.0	100	1000	0.5	120	0.5	DO-35	
MTZJ2.2	2.120~2.300	2.220~2.410	-	-	5.0	100	1000	0.5	120	0.7	DO-35	
MTZJ2.4	2.330~2.520	2.430~2.630	-	-	5.0	100	1000	0.5	120	1.0	DO-35	
MTZJ2.7	2.540~2.750	2.690~2.910	-	-	5.0	110	1000	0.5	100	1.0	DO-35	
MTZJ3.0	2.850~3.070	3.010~3.220	-	-	5.0	120	1000	0.5	50	1.0	DO-35	
MTZJ3.3	3.160~3.380	3.320~3.530	-	-	5.0	120	1000	0.5	20	1.0	DO-35	
MTZJ3.6	3.455~3.695	3.600~3.845	-	-	5.0	100	1000	1.0	10	1.0	DO-35	
MTZJ3.9	3.74~4.01	3.89~4.16	-	-	5.0	100	1000	1.0	5.0	1.0	DO-35	
MTZJ4.3	4.04~4.29	4.17~4.43	4.30~4.57	-	5.0	100	1000	1.0	5.0	1.0	DO-35	
MTZJ4.7	4.44~4.68	4.55~4.80	4.68~4.93	-	5.0	80	900	0.5	5.0	1.0	DO-35	
MTZJ5.1	4.81~5.07	4.94~5.20	5.09~5.37	-	5.0	70	1200	0.5	5.0	1.5	DO-35	
MTZJ5.6	5.28~5.55	5.45~5.73	5.61~5.91	-	5.0	40	900	0.5	5.0	2.5	DO-35	
MTZJ6.2	5.78~6.09	5.96~6.27	6.12~6.44	-	5.0	30	500	0.5	5.0	3.0	DO-35	
MTZJ6.8	6.29~6.63	6.49~6.83	6.66~7.01	-	5.0	20	150	0.5	2.0	3.5	DO-35	
MTZJ7.5	6.85~7.22	7.07~7.45	7.29~7.67	-	5.0	20	120	0.5	0.5	4.0	DO-35	
MTZJ8.2	7.53~7.92	7.78~8.19	8.03~8.45	-	5.0	20	120	0.5	0.5	5.0	DO-35	
MTZJ9.1	8.29~8.73	8.57~9.01	8.83~9.30	-	5.0	20	120	0.5	0.5	6.0	DO-35	
MTZJ10	9.12~9.59	9.41~9.90	9.70~10.20	9.94~10.44	5.0	20	120	0.5	0.2	7.0	DO-35	
MTZJ11	10.18~10.71	10.50~11.05	10.82~11.38	-	5.0	20	120	0.5	0.2	8.0	DO-35	
MTZJ12	11.13~11.71	11.44~12.03	11.74~12.35	-	5.0	25	110	0.5	0.2	9.0	DO-35	
MTZJ13	12.11~12.75	12.55~13.21	12.99~13.66	-	5.0	25	110	0.5	0.2	10	DO-35	
MTZJ15	13.44~14.13	13.89~14.62	14.35~15.09	-	5.0	25	110	0.5	0.2	11	DO-35	
MTZJ16	14.80~15.57	15.25~16.04	15.69~16.51	-	5.0	25	150	0.5	0.2	12	DO-35	
MTZJ18	16.22~17.06	16.82~17.70	17.42~18.33	-	5.0	30	150	0.5	0.2	13	DO-35	
MTZJ20	18.02~18.96	18.63~19.59	19.23~20.00	19.72~20.72	5.0	30	200	15	0.2	15	DO-35	
MTZJ22	20.15~21.20	20.64~21.71	21.08~22.17	21.52~22.63	5.0	30	200	17	0.2	17	DO-35	
MTZJ24	22.05~23.18	22.61~23.77	23.12~24.31	23.63~24.85	5.0	35	200	19	0.2	19	DO-35	
MTZJ27	24.26~25.52	24.97~26.26	25.63~26.95	25.29~27.64	5.0	45	250	21	0.2	21	DO-35	
MTZJ30	26.99~28.39	27.70~29.13	28.36~29.82	29.02~30.51	5.0	55	250	23	0.2	23	DO-35	
MTZJ33	29.68~31.22	30.32~31.88	30.90~32.50	31.49~33.11	5.0	65	250	25	0.2	25	DO-35	
MTZJ36	32.14~33.79	32.79~34.49	33.40~35.13	34.01~35.77	5.0	75	250	27	0.2	27	DO-35	
MTZJ39	34.68~36.47	35.36~37.19	36.00~37.85	36.63~38.52	5.0	85	250	30	0.2	30	DO-35	
MTZJ39E	37.36~39.29				5.0	85	250	30	0.2	30	DO-35	
MTZJ39F	38.14~40.11				5.0	85	250	30	0.2	30	DO-35	
MTZJ39G	38.94~40.80				5.0	85	250	30	0.2	30	DO-35	
MTZJ43	40.00~45.00				5.0	90	-	33	0.2	33	DO-35	
MTZJ47	44.00~49.00				5.0	90	-	36	0.2	36	DO-35	
MTZJ51	48.00~54.00				5.0	110	-	39	0.2	39	DO-35	
MTZJ56	53.00~60.00				5.0	110	-	43	0.2	43	DO-35	



DO-35

ZENER DIODES(1.0W)

Type	V _Z	I _{ZT}	Z _{ZT}	Z _{ZK}	I _{ZK}	I _{RM}	V _R	Surge Current	I _{ZM}	Case Style
			(I=I _{ZT})	I _{ZK} =0.25A						
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
IN4728	3.3	76	10	400	1.0	100	1.0	1380	276	DO-41(G)
IN4729	3.6	69	10	400	1.0	100	1.0	1260	252	DO-41(G)
IN4730	3.9	64	9.0	400	1.0	50	1.0	1190	234	DO-41(G)
IN4731	4.3	58	9.0	400	1.0	10	1.0	1070	217	DO-41(G)
IN4732	4.7	53	8.0	500	1.0	10	1.0	970	193	DO-41(G)
IN4733	5.1	49	7.0	550	1.0	10	1.0	890	178	DO-41(G)
IN4734	5.6	45	5.0	600	1.0	10	2.0	810	162	DO-41(G)
IN4735	6.2	41	2.0	700	1.0	10	3.0	730	146	DO-41(G)
IN4736	6.8	37	3.5	700	1.0	10	4.0	660	133	DO-41(G)
IN4737	7.5	34	4.0	700	0.5	10	5.0	605	121	DO-41(G)
IN4738	8.2	31	4.5	700	0.5	10	6.0	550	110	DO-41(G)
IN4739	9.1	28	5.0	700	0.5	10	7.0	500	100	DO-41(G)
IN4740	10	25	7.0	700	0.25	10	7.6	454	91	DO-41(G)
IN4741	11	23	8.0	700	0.25	5.0	8.4	414	83	DO-41(G)
IN4742	12	21	9.0	700	0.25	5.0	9.1	380	76	DO-41(G)
IN4743	13	19	10	700	0.25	5.0	9.9	344	69	DO-41(G)
IN4744	15	17	14	700	0.25	5.0	11.4	304	61	DO-41(G)
IN4745	16	15.5	16	700	0.25	5.0	12.2	285	57	DO-41(G)
IN4746	18	14.0	20	750	0.25	5.0	13.7	250	50	DO-41(G)
IN4747	20	12.5	22	750	0.25	5.0	15.2	225	45	DO-41(G)
IN4748	22	11.5	23	750	0.25	5.0	16.7	205	41	DO-41(G)
IN4749	24	10.5	25	750	0.25	5.0	18.2	190	38	DO-41(G)
IN4750	27	9.5	35	750	0.25	5.0	20.6	170	34	DO-41(G)
IN4751	30	8.5	40	1000	0.25	5.0	22.8	150	30	DO-41(G)
IN4752	33	7.5	45	1000	0.25	5.0	25.1	135	27	DO-41(G)
IN4753	36	7.0	50	1000	0.25	5.0	27.4	125	25	DO-41(G)
IN4754	39	6.5	60	1000	0.25	5.0	29.7	115	23	DO-41(G)
IN4755	43	6.0	70	1500	0.25	5.0	32.7	110	22	DO-41(G)
IN4756	47	5.5	80	1500	0.25	5.0	35.8	95	19	DO-41(G)
IN4757	51	5.0	95	1500	0.25	5.0	38.8	90	18	DO-41(G)
IN4758	56	4.5	110	2000	0.25	5.0	42.6	80	16	DO-41(G)
IN4759	62	4.0	125	2000	0.25	5.0	47.1	70	14	DO-41(G)
IN4760	68	3.7	150	2000	0.25	5.0	51.7	65	13	DO-41(G)
IN4761	75	3.3	175	2000	0.25	5.0	56.0	60	12	DO-41(G)
IN4762	82	3.0	200	3000	0.25	5.0	62.2	55	11	DO-41(G)
IN4763	91	2.8	250	3000	0.25	5.0	69.2	50	10	DO-41(G)
IN4764	100	2.5	350	3000	0.25	5.0	76.0	45	9.0	DO-41(G)

V_F=1.2V@I_F=200mA



DO-41(G)

ZENER DIODES(1.0W)

Type	V _Z	I _{ZT}	Z _{VT}	Z _{ZK}	I _{ZK}	I _{RM}	V _R	Surge Current	I _{ZM}	Case Style
			(I=I _{ZT})	I _{ZK} =0.25A						
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
DL4728	3.3	76	10	400	1.0	100	1.0	1380	276	MELF
DL4729	3.6	69	10	400	1.0	100	1.0	1260	252	MELF
DL4730	3.9	64	9.0	400	1.0	50	1.0	1190	234	MELF
DL4731	4.3	58	9.0	400	1.0	10	1.0	1070	217	MELF
DL4732	4.7	53	8.0	500	1.0	10	1.0	970	193	MELF
DL4733	5.1	49	7.0	550	1.0	10	1.0	890	178	MELF
DL4734	5.6	45	5.0	600	1.0	10	2.0	810	162	MELF
DL4735	6.2	41	2.0	700	1.0	10	3.0	730	146	MELF
DL4736	6.8	37	3.5	700	1.0	10	4.0	660	133	MELF
DL4737	7.5	34	4.0	700	0.5	10	5.0	605	121	MELF
DL4738	8.2	31	4.5	700	0.5	10	6.0	550	110	MELF
DL4739	9.1	28	5.0	700	0.5	10	7.0	500	100	MELF
DL4740	10	25	7.0	700	0.25	10	7.6	454	91	MELF
DL4741	11	23	8.0	700	0.25	5.0	8.4	414	83	MELF
DL4742	12	21	9.0	700	0.25	5.0	9.1	380	76	MELF
DL4743	13	19	10	700	0.25	5.0	9.9	344	69	MELF
DL4744	15	17	14	700	0.25	5.0	11.4	304	61	MELF
DL4745	16	15.5	16	700	0.25	5.0	12.2	285	57	MELF
DL4746	18	14.0	20	750	0.25	5.0	13.7	250	50	MELF
DL4747	20	12.5	22	750	0.25	5.0	15.2	225	45	MELF
DL4748	22	11.5	23	750	0.25	5.0	16.7	205	41	MELF
DL4749	24	10.5	25	750	0.25	5.0	18.2	190	38	MELF
DL4750	27	9.5	35	750	0.25	5.0	20.6	170	34	MELF
DL4751	30	8.5	40	1000	0.25	5.0	22.8	150	30	MELF
DL4752	33	7.5	45	1000	0.25	5.0	25.1	135	27	MELF
DL4753	36	7.0	50	1000	0.25	5.0	27.4	125	25	MELF
DL4754	39	6.5	60	1000	0.25	5.0	29.7	115	23	MELF
DL4755	43	6.0	70	1500	0.25	5.0	32.7	110	22	MELF
DL4756	47	5.5	80	1500	0.25	5.0	35.8	95	19	MELF
DL4757	51	5.0	95	1500	0.25	5.0	38.8	90	18	MELF
DL4758	56	4.5	110	2000	0.25	5.0	42.6	80	16	MELF
DL4759	62	4.0	125	2000	0.25	5.0	47.1	70	14	MELF
DL4760	68	3.7	150	2000	0.25	5.0	51.7	65	13	MELF
DL4761	75	3.3	175	2000	0.25	5.0	56.0	60	12	MELF
DL4762	82	3.0	200	3000	0.25	5.0	62.2	55	11	MELF
DL4763	91	2.8	250	3000	0.25	5.0	69.2	50	10	MELF
DL4764	100	2.5	350	3000	0.25	5.0	76.0	45	9.0	MELF

V_F=1.2V@I_F=200mA


MELF

ZENER DIODES(500mW)

Type	Zener Voltage ⁽¹⁾	Maximum Zener Impedance		Test Current	Typical Temp.Coefficient	Maximum Regulator Current	Reverse Leakage Current		Case Style
	$V_Z@I_{ZT}$	$Z_{ZT}@I_{ZT}$	Z_{ZK} at $I_{ZK}=1mA$	I_{ZT}	%/ $^{\circ}C$	I_{ZM}	I_R	Test Voltage Suffix	
	V	Ω	Ω	m A		m A	μA	V	
ZMM55-C2V4	2.28-2.56	85	600	5.0	-0.070	150	50	1.0	MINI-MELF
ZMM55-C2V7	2.5-2.9	85	600	5.0	-0.070	135	10	1.0	MINI-MELF
ZMM55-C3V0	2.8-3.2	85	600	5.0	-0.070	125	4.0	1.0	MINI-MELF
ZMM55-C3V3	3.1-3.5	85	600	5.0	-0.065	115	2.0	1.0	MINI-MELF
ZMM55-C3V6	3.4-3.8	85	600	5.0	-0.060	105	2.0	1.0	MINI-MELF
ZMM55-C3V9	3.7-4.1	85	600	5.0	-0.050	95	2.0	1.0	MINI-MELF
ZMM55-C4V3	4.0-4.6	75	600	5.0	-0.025	90	1.0	1.0	MINI-MELF
ZMM55-C4V7	4.4-5.0	60	600	5.0	-0.010	85	0.5	1.0	MINI-MELF
ZMM55-C5V1	4.8-5.4	35	550	5.0	+0.015	80	0.1	1.0	MINI-MELF
ZMM55-C5V6	5.2-6.0	25	450	5.0	+0.025	70	0	1.0	MINI-MELF
ZMM55-C6V2	5.8-6.6	10	200	5.0	+0.035	64	0.1	2.0	MINI-MELF
ZMM55-C6V8	6.4-7.2	8.0	150	5.0	+0.045	58	0.1	3.0	MINI-MELF
ZMM55-C7V5	7.0-7.9	7.0	50	5.0	+0.050	53	0.1	5.0	MINI-MELF
ZMM55-C8V2	7.7-8.7	7.0	50	5.0	+0.050	47	0.1	6.0	MINI-MELF
ZMM55-C9V1	8.5-9.6	10	50	5.0	+0.060	43	0.1	7.0	MINI-MELF
ZMM55-C10	9.4-10.6	15	70	5.0	+0.070	40	0.1	7.5	MINI-MELF
ZMM55-C11	10.4-11.6	20	70	5.0	+0.070	36	0.1	8.5	MINI-MELF
ZMM55-C12	11.4-12.7	20	90	5.0	+0.070	32	0.1	9.0	MINI-MELF
ZMM55-C13	12.4-14.1	26	110	5.0	+0.070	29	0.1	10	MINI-MELF
ZMM55-C15	13.8-15.6	30	110	5.0	+0.070	27	0.1	11	MINI-MELF
ZMM55-C16	15.3-17.1	40	170	5.0	+0.070	24	0.1	12	MINI-MELF
ZMM55-C18	16.8-19.1	50	170	5.0	+0.070	21	0.1	14	MINI-MELF
ZMM55-C20	18.8-21.2	55	220	5.0	+0.070	20	0.1	15	MINI-MELF
ZMM55-C22	20.8-23.3	55	220	5.0	+0.070	18	0.1	17	MINI-MELF
ZMM55-C24	22.8-25.6	80	220	5.0	+0.080	16	0.1	18	MINI-MELF
ZMM55-C27	25.1-28.9	80	220	5.0	+0.080	14	0.1	20	MINI-MELF
ZMM55-C30	28-32	80	220	5.0	+0.080	13	0.1	22	MINI-MELF
ZMM55-C33	31-35	80	220	5.0	+0.080	12	0.1	24	MINI-MELF
ZMM55-C36	34-38	80	220	5.0	+0.080	11	0.1	27	MINI-MELF

$V_F=1.2V, I_F=200mA$

1)Measured with pulses $t_p=20ms$



MINI-MELF

**ZENER DIODES(500mW)**

Type	Nominal Zener Voltage		Maximum Zener Impedance		Typical Temperature Coefficient	Maximum Reverse Leakage Current		Maximum DC Zener Current	Case
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	αV_Z	$I_R @ V_R$		I_{ZM}	
	(V)	(m A)	(Ω)	(Ω)	%/ $^{\circ}\text{C}$	(m A)	(V)	(m A)	
ZMM5225	3.0	20	29	1600	-0.075	50	1.0	151	Mini-melf
ZMM5226	3.3	20	28	1600	-0.070	25	1.0	138	Mini-melf
ZMM5227	3.6	20	24	1700	-0.065	15	1.0	126	Mini-melf
ZMM5228	3.9	20	23	1900	-0.060	10	1.0	115	Mini-melf
ZMM5229	4.3	20	22	2000	± 0.055	5.0	1.0	106	Mini-melf
ZMM5230	4.7	20	19	1900	± 0.030	5.0	2.0	97	Mini-melf
ZMM5231	5.1	20	17	1600	± 0.030	5.0	2.0	89	Mini-melf
ZMM5232	5.6	20	11	1600	+0.038	5.0	3.0	81	Mini-melf
ZMM5233	6.0	20	7.0	1600	+0.038	5.0	3.5	76	Mini-melf
ZMM5234	6.2	20	7.0	1000	+0.045	3.0	4.0	73	Mini-melf
ZMM5235	6.8	20	5.0	750	+0.050	3.0	5.0	67	Mini-melf
ZMM5236	7.5	20	6.0	500	+0.058	3.0	6.0	61	Mini-melf
ZMM5237	8.2	20	8.0	500	+0.062	3.0	6.5	55	Mini-melf
ZMM5238	8.7	20	8.0	600	+0.065	3.0	6.5	52	Mini-melf
ZMM5239	9.1	20	10	600	+0.068	3.0	7.0	50	Mini-melf
ZMM5240	10	20	17	600	+0.075	3.0	8.0	45	Mini-melf
ZMM5241	11	20	22	600	+0.076	2.0	8.4	41	Mini-melf
ZMM5242	12	20	30	600	+0.077	1.0	9.1	38	Mini-melf
ZMM5243	13	9.5	13	600	+0.079	0.5	9.9	35	Mini-melf
ZMM5244	14	9.0	15	600	+0.082	0.1	10	32	Mini-melf
ZMM5245	15	8.5	16	600	+0.082	0.1	11	30	Mini-melf
ZMM5246	16	7.8	17	600	+0.083	0.1	12	28	Mini-melf
ZMM5247	17	7.4	19	600	+0.084	0.1	13	27	Mini-melf
ZMM5248	18	7.0	21	600	+0.085	0.1	14	25	Mini-melf
ZMM5249	19	6.6	23	600	+0.086	0.1	14	24	Mini-melf
ZMM5250	20	6.2	25	600	+0.086	0.1	15	23	Mini-melf
ZMM5251	22	5.6	29	600	+0.087	0.1	17	21	Mini-melf
ZMM5252	24	5.2	33	600	+0.087	0.1	18	19.1	Mini-melf
ZMM5253	25	5.0	35	600	+0.089	0.1	19	18.2	Mini-melf
ZMM5254	27	4.6	41	600	+0.090	0.1	21	16.8	Mini-melf
ZMM5255	28	4.5	44	600	+0.091	0.1	21	16.2	Mini-melf
ZMM5256	30	4.2	49	600	+0.091	0.1	23	15.1	Mini-melf
ZMM5257	33	3.8	58	700	+0.092	0.1	25	13.8	Mini-melf
ZMM5258	36	3.4	70	700	+0.093	0.1	27	12.6	Mini-melf
ZMM5259	39	3.2	80	800	+0.094	0.1	30	11.5	Mini-melf
ZMM5260	43	3.0	93	900	+0.095	0.1	33	10.6	Mini-melf
ZMM5261	47	2.7	105	1000	+0.095	0.1	36	9.7	Mini-melf
ZMM5262	51	2.5	125	1100	+0.096	0.1	39	8.9	Mini-melf
ZMM5263	56	2.2	150	1300	+0.096	0.1	43	-	Mini-melf
ZMM5264	60	2.1	170	1400	+0.097	0.1	46	-	Mini-melf
ZMM5265	62	2.0	185	1400	+0.097	0.1	47	-	Mini-melf
ZMM5266	68	1.8	230	1600	+0.097	0.1	52	-	Mini-melf

**ZENER DIODES(500mW)**

Type	Nominal Zener Voltage		Maximum Zener Impedance		Typical Temperature Coefficient	Maximum Reverse Leakage Current		Maximum DC Zener Current	Case
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	αV_Z	$I_R @ V_R$		I_{ZM}	
	(V)	(m A)	(Ω)	(Ω)	%/ $^{\circ}$ C	(m A)	(V)	(m A)	
ZMM5267	75	1.7	270	1700	+0.098	0.1	56	-	Mini-melf



MINI-MELF

ZENER DIODES(800mW)

Type	Device Marking Code	Zener Voltage Range ⁽¹⁾		Test Current	Differential Resistance		Temperature Coefficient		Maximum Reverse Leakage Current		Case
		$V_Z@I_{ZT}$		I_{ZT}	$r_{dif}@I_{ZT}$		$\alpha V_Z@I_Z$		I_R	V_R	
		V		m A	Ω		%/°C		μA	V	
		Min	Max		Typ	Max	Min	Max	Max		
GZF3V6C	W5	3.4	3.8	100	4.0	8.0	-0.14	-0.04	100	1.0	SOD-123FL
GZF3V9C	W6	3.7	4.1	100	4.0	8.0	-0.14	-0.04	50	1.0	SOD-123FL
GZF4V3C	W7	4.0	4.6	100	4.0	7.0	-0.12	-0.02	25	1.0	SOD-123FL
GZF4V7C	W8	4.4	5.0	100	3.0	7.0	-0.1	0	10	1.0	SOD-123FL
GZF5V1C	W9	4.8	5.4	100	3.0	6.0	-0.08	0.2	5.0	1.0	SOD-123FL
GZF5V6C	WA	5.2	6.0	100	2.0	4.0	-0.04	0.04	10	2.0	SOD-123FL
GZF6V2C	WB	5.8	6.6	100	2.0	3.0	-0.01	0.06	5.0	2.0	SOD-123FL
GZF6V8C	WC	6.4	7.2	100	1.0	3.0	0	0.07	10	3.0	SOD-123FL
GZF7V5C	WD	7.0	7.9	100	1.0	2.0	0	0.07	50	3.0	SOD-123FL
GZF8V2C	WE	7.7	8.7	100	1.0	2.0	0.03	0.08	10	3.0	SOD-123FL
GZF9V1C	WF	8.5	9.6	50	2.0	4.0	0.03	0.08	10	5.0	SOD-123FL
GZF10C	WG	9.4	10.6	50	2.0	4.0	0.05	0.09	7.0	7.5	SOD-123FL
GZF11C	WH	10.4	11.6	50	4.0	7.0	0.05	0.1	4.0	8.2	SOD-123FL
GZF12C	WI	11.4	12.7	50	4.0	7.0	0.05	0.1	3.0	9	SOD-123FL
GZF13C	WK	12.4	14.1	50	5.0	10	0.05	0.1	2.0	10	SOD-123FL
GZF15C	WL	13.8	15.6	50	5.0	10	0.05	0.1	1.0	11	SOD-123FL
GZF16C	WM	15.3	17.1	25	6.0	15	0.06	0.11	1.0	12	SOD-123FL
GZF18C	WN	16.8	19.1	25	6.0	15	0.06	0.11	1.0	13	SOD-123FL
GZF20C	WO	18.8	21.2	25	6.0	15	0.06	0.11	1.0	15	SOD-123FL
GZF22C	WP	20.8	23.3	25	6.0	15	0.06	0.11	1.0	16	SOD-123FL
GZF24C	WR	22.8	25.6	25	7.0	15	0.06	0.11	1.0	18	SOD-123FL
GZF27C	WS	25.1	28.9	25	7.0	15	0.06	0.11	1.0	20	SOD-123FL
GZF30C	WT	28	32	25	8.0	15	0.06	0.11	1.0	22	SOD-123FL
GZF33C	WU	31	35	25	8.0	15	0.06	0.11	1.0	24	SOD-123FL
GZF36C	WW	34	38	10	21	40	0.06	0.11	1.0	27	SOD-123FL
GZF39C	WX	37	41	10	21	40	0.06	0.11	1.0	30	SOD-123FL
GZF43C	WY	40	46	10	24	45	0.07	0.12	1.0	33	SOD-123FL
GZF47C	WZ	44	50	10	24	45	0.07	0.12	1.0	36	SOD-123FL
GZF51C	X1	48	54	10	25	60	0.07	0.12	1.0	39	SOD-123FL
GZF56C	X2	52	60	10	25	60	0.07	0.12	1.0	43	SOD-123FL
GZF62C	X3	58	66	10	25	80	0.08	0.13	1.0	47	SOD-123FL
GZF68C	X4	64	72	10	25	80	0.08	0.13	1.0	51	SOD-123FL
GZF75C	X5	70	79	10	30	100	0.08	0.13	1.0	56	SOD-123FL
GZF82C	X6	77	87	10	30	100	0.08	0.13	1.0	62	SOD-123FL
GZF91C	X7	85	96	5.0	60	200	0.09	0.13	1.0	68	SOD-123FL

1)Pulse test: $t_p \leq 5ms$

Maximum $V_F=1.2V$ at $I_F=200m A$



SOD-123FL

ZENER DIODES(1W)

Type	Nominal Zener Voltage					Temperature Coefficient of Zener Voltage α_T (mV/°C)		Forward Voltage		Reverse Current		Case
	Zener Voltage V_Z (V)			Zener Impedance r_d (Ω)	Measurement Current I_Z			V_F (V)	Measurement Current I_F	I_R (μ A)	Measurement Voltage V_R	
	Min.	Typ.	Max.	Max.	mA	Typ.	Max.	Max.	A	Max.	V	
1ZB6.8	6.2	6.8	7.4	60	10	3.0	4.0	1.2	0.2	10	3.0	R-1
1ZB7.5	6.8	7.5	8.3	30	10	4.0	5.0	1.2	0.2	10	4.5	R-1
1ZB8.2	7.4	8.2	9.1	30	10	4.0	6.0	1.2	0.2	10	4.9	R-1
1ZB9.1	8.2	9.1	10.1	30	10	5.0	8.0	1.2	0.2	10	5.5	R-1
1ZB10	9.0	10	11.0	30	10	6.0	9.0	1.2	0.2	10	6.0	R-1
1ZB11	9.9	11	12.1	30	10	7.0	11	1.2	0.2	10	7.0	R-1
1ZB12	10.8	12	13.2	30	10	8.0	13	1.2	0.2	10	8.0	R-1
1ZB13	11.7	13	14.3	30	10	9.0	14	1.2	0.2	10	9.0	R-1
1ZB15	13.5	15	16.5	30	10	11	17	1.2	0.2	10	10	R-1
1ZB16	14.4	16	17.6	30	10	12	19	1.2	0.2	10	11	R-1
1ZB18	16.2	18	19.8	30	10	14	23	1.2	0.2	10	13	R-1
1ZB20	18.0	20	22.0	30	10	16	26	1.2	0.2	10	14	R-1
1ZB22	19.8	22	24.2	30	10	18	28	1.2	0.2	10	16	R-1
1ZB24	21.6	24	26.4	30	10	20	32	1.2	0.2	10	17	R-1
1ZB27	24.3	27	29.7	30	10	23	36	1.2	0.2	10	19	R-1
1ZB30	27.0	30	33.0	30	10	25	40	1.2	0.2	10	21	R-1
1ZB33	29.7	33	36.3	30	10	26	41	1.2	0.2	10	26.4	R-1
1ZB36	32.4	36	39.6	30	9.0	28	45	1.2	0.2	10	28.8	R-1
1ZB43	38.7	43	47.3	40	7.0	33	53	1.2	0.2	10	34.4	R-1
1ZB47	42.3	47	51.7	65	6.0	38	60	1.2	0.2	10	37.6	R-1
1ZB51	45.9	51	56.1	65	6.0	43	68	1.2	0.2	10	40.8	R-1
1ZB68	61.2	68	74.8	120	4.0	57	90	1.2	0.2	10	54.4	R-1
1ZB75	67.5	75	82.5	150	4.0	66	104	1.2	0.2	10	60	R-1
1ZB82	73.8	82	90.2	170	3.0	71	113	1.2	0.2	10	65.4	R-1
1ZB100	90	100	110	300	3.0	87	138	1.2	0.2	10	80	R-1
1ZB110	99	110	121	300	3.0	96	152	1.2	0.2	10	88	R-1
1ZB150	135	150	165	450	2.0	136	212	1.2	0.2	10	120	R-1
1ZB180	162	180	198	500	1.5	161	255	1.2	0.2	10	144	R-1
1ZB200	180	200	220	500	0.5	170	269	1.2	0.2	10	160	R-1
1ZB200-Y	190	200	210			170	269				160	R-1
1ZB200-Z	200	210	220			178	286				168	R-1
1ZB220	198	220	242	5000	0.5	200	309	1.2	0.2	10	176	R-1
1ZB220-Y	210	220	230			200	309				176	R-1
1ZB220-Z	220	230	240			207	320				184	R-1
1ZB240	216	240	264	5000	0.5	215	325	1.2	0.2	10	192	R-1
1ZB240-Y	230	240	250			215	325				216	R-1
1ZB240-Z	240	250	260			225	338				225	R-1
1ZB270	243	270	297	5000	0.5	243	385	1.2	0.2	10	216	R-1
1ZB270-X	250	260	270			221	350				234	R-1
1ZB270-Y	260	270	280			228	362				243	R-1
1ZB270-Z	270	280	290			236	374				252	R-1

ZENER DIODES(1W)

Type	Nominal Zener Voltage					Temperature Coefficient of Zener Voltage $\alpha_T(\text{mV}/^\circ\text{C})$		Forward Voltage		Reverse Current		Case
	Zener Voltage $V_Z(\text{V})$			Zener Impedance $r_d(\Omega)$	Measurement Current I_Z			$V_F(\text{V})$	Measurement Current I_F	$I_R(\mu\text{A})$	Measurement Voltage V_R	
	Min.	Typ.	Max.	Max.	mA	Typ.	Max.	Max.	A	Max.	V	
1ZB300	270	300	330	5000	0.5	270	428	1.2	0.2	10	240	R-1
1ZB300-X	280	290	300			244	388				261	R-1
1ZB300-Y	290	300	310			253	402				270	R-1
1ZB300-Z	300	310	320			261	415				279	R-1
1ZB330	297	330	363	5000	0.5	296	470	1.2	0.2	10	264	R-1
1ZB330-X	310	320	330			270	428				288	R-1
1ZB330-Y	320	330	340			278	441				297	R-1
1ZB330-Z	330	340	350			287	455				306	R-1
1ZB390	351	390	429	10000	0.5	350	555	1.2	0.2	10	312	R-1

Tolerance of zener voltage: $\pm 10\%$



R-1

ZENER DIODES(1W)

Type	Nominal Zener Voltage					Temperature Coefficient of Zener Voltage α_T (mV/°C)		Forward Voltage		Reverse Current		Case
	Zener Voltage V_Z (V)			Zener Impedance $r_d(\Omega)$	Measurement Current I_Z			V_F (V)	Measurement Current I_F	$I_R(\mu A)$	Measurement Voltage V_R	
	Min.	Typ.	Max.	Max.	mA	Typ.	Max.	Max.	A	Max.	V	
U1ZB6.8	6.2	6.8	7.4	60	10	3.0	4.0	1.2	0.2	10	3.0	SMA
U1ZB7.5	6.8	7.5	8.3	30	10	4.0	5.0	1.2	0.2	10	4.5	SMA
U1ZB8.2	7.4	8.2	9.1	30	10	4.0	6.0	1.2	0.2	10	4.9	SMA
U1ZB9.1	8.2	9.1	10.1	30	10	5.0	8.0	1.2	0.2	10	5.5	SMA
U1ZB10	9.0	10	11.0	30	10	6.0	9.0	1.2	0.2	10	6.0	SMA
U1ZB11	9.9	11	12.1	30	10	7.0	11	1.2	0.2	10	7.0	SMA
U1ZB12	10.8	12	13.2	30	10	8.0	13	1.2	0.2	10	8.0	SMA
U1ZB13	11.7	13	14.3	30	10	9.0	14	1.2	0.2	10	9.0	SMA
U1ZB15	13.5	15	16.5	30	10	11	17	1.2	0.2	10	10	SMA
U1ZB16	14.4	16	17.6	30	10	12	19	1.2	0.2	10	11	SMA
U1ZB18	16.2	18	19.8	30	10	14	23	1.2	0.2	10	13	SMA
U1ZB20	18.0	20	22.0	30	10	16	26	1.2	0.2	10	14	SMA
U1ZB22	19.8	22	24.2	30	10	18	28	1.2	0.2	10	16	SMA
U1ZB24	21.6	24	26.4	30	10	20	32	1.2	0.2	10	17	SMA
U1ZB27	24.3	27	29.7	30	10	23	36	1.2	0.2	10	19	SMA
U1ZB30	27.0	30	33.0	30	10	25	40	1.2	0.2	10	21	SMA
U1ZB33	29.7	33	36.3	30	10	26	41	1.2	0.2	10	26.4	SMA
U1ZB36	32.4	36	39.6	30	9.0	28	45	1.2	0.2	10	28.8	SMA
U1ZB43	38.7	43	47.3	40	7.0	33	53	1.2	0.2	10	34.4	SMA
U1ZB47	42.3	47	51.7	65	6.0	38	60	1.2	0.2	10	37.6	SMA
U1ZB51	45.9	51	56.1	65	6.0	43	68	1.2	0.2	10	40.8	SMA
U1ZB68	61.2	68	74.8	120	4.0	57	90	1.2	0.2	10	54.4	SMA
U1ZB75	67.5	75	82.5	150	4.0	66	104	1.2	0.2	10	60.0	SMA
U1ZB82	73.8	82	90.2	170	3.0	71	113	1.2	0.2	10	65.4	SMA
U1ZB100	90	100	110	300	3.0	87	138	1.2	0.2	10	80	SMA
U1ZB110	99	110	121	300	3.0	96	152	1.2	0.2	10	88	SMA
U1ZB150	135	150	165	450	2.0	136	212	1.2	0.2	10	120	SMA
U1ZB180	162	180	198	500	1.5	161	255	1.2	0.2	10	144	SMA
U1ZB200	180	200	220	500	1.5	170	269	1.2	0.2	10	160	SMA
U1ZB200-Y	190	200	210			170	269				160	SMA
U1ZB200-Z	200	210	220			178	286				168	SMA
U1ZB220	198	220	242	5000	0.5	200	309	1.2	0.2	10	176	SMA
U1ZB220-Y	210	220	230			200	309				176	SMA
U1ZB220-Z	220	230	240			207	320				184	SMA
U1ZB240	216	240	264	5000	0.5	215	325	1.2	0.2	10	192	SMA
U1ZB240-Y	230	240	250			215	325				216	SMA
U1ZB240-Z	240	250	260			225	338				225	SMA
U1ZB270	243	270	297	5000	0.5	243	385	1.2	0.2	10	216	SMA
U1ZB270-X	250	260	270			221	350				234	SMA
U1ZB270-Y	260	270	280			228	362				243	SMA
U1ZB270-Z	270	280	290			236	374				252	SMA

ZENER DIODES(1W)

Type	Nominal Zener Voltage					Temperature Coefficient of Zener Voltage α_T (mV/°C)		Forward Voltage		Reverse Current		Case
	Zener Voltage V_Z (V)			Zener Impedance r_d (Ω)	Measurement Current I_Z			V_F (V)	Measurement Current I_F	I_R (μ A)	Measurement Voltage V_R	
	Min.	Typ.	Max.	Max.	mA	Typ.	Max.	Max.	A	Max.	V	
U1ZB300	270	300	330	5000	0.5	270	428	1.2	0.2	10	240	SMA
U1ZB300-X	280	290	300			244	388				261	SMA
U1ZB300-Y	290	300	310			253	402				270	SMA
U1ZB300-Z	300	310	320			261	415				279	SMA
U1ZB330	297	330	363	5000	0.5	296	470	1.2	0.2	10	264	SMA
U1ZB330-X	310	320	330			270	428				288	SMA
U1ZB330-Y	320	330	340			278	441				297	SMA
U1ZB330-Z	330	340	350			287	455				306	SMA
U1ZB390	351	390	429	10000	0.5	350	555	1.2	0.2	10	312	SMA

Tolerance of zener voltage: $\pm 10\%$ 

SMA



ZENER DIODES(1W)

Type	Nominal Zener Voltage					Temperature Coefficient of Zener Voltage $\alpha_T(\text{mV}/^\circ\text{C})$	Forward Voltage		Reverse Current		Case	
	Zener Voltage $V_Z(\text{V})$			Zener Impedance $r_d(\Omega)$	Measurement Current I_Z		$V_F(\text{V})$	Measurement Current I_F	$I_R(\mu\text{A})$	Measurement Voltage V_R		
	Min.	Typ.	Max.	Max.	mA	Typ.	Max.	Max.	A	Max.		V
1Z6.2	5.6	6.2	6.8	60	10	1.5	2	1.2	0.2	10	3.0	DO-15
1Z6.8	6.2	6.8	7.4	60	10	3	4	1.2	0.2	10	2.0	DO-15
1Z6.8A	6.45	6.8	7.14									DO-15
1Z7.5	6.8	7.5	8.3	30	10	4	5	1.2	0.2	10	4.5	DO-15
1Z7.5A	7.13	7.5	7.87									DO-15
1Z8.2	7.4	8.2	9.1	30	10	4	6	1.2	0.2	10	4.9	DO-15
1Z8.2A	7.79	8.2	8.61									DO-15
1Z9.1	8.2	9.1	10.1	30	10	5	8	1.2	0.2	10	5.5	DO-15
1Z9.1A	8.65	9.1	9.55									DO-15
1Z10	9.0	10	11.0	30	10	6	9	1.2	0.2	10	6.0	DO-15
1Z10A	9.5	10	10.5									DO-15
1Z11	9.9	11	12.1	30	10	7	11	1.2	0.2	10	7.0	DO-15
1Z11A	10.5	11	11.5									DO-15
1Z12	10.8	12	13.2	30	10	8	13	1.2	0.2	10	8.0	DO-15
1Z12A	11.4	12	12.6									DO-15
1Z13	11.7	13	14.3	30	10	9	14	1.2	0.2	10	9.0	DO-15
1Z13A	12.4	13	13.6									DO-15
1Z15	13.5	15	16.5	30	10	11	17	1.2	0.2	10	10	DO-15
1Z15A	14.3	15	15.8									DO-15
1Z16	14.4	16	17.6	30	10	12	19	1.2	0.2	10	11	DO-15
1Z16A	15.2	16	16.8									DO-15
1Z18	16.2	18	19.8	30	10	14	23	1.2	0.2	10	13	DO-15
1Z18A	17.1	18	18.9									DO-15
1Z20	18.0	20	22	30	10	16	26	1.2	0.2	10	14	DO-15
1Z20A	19.0	20	21									DO-15
1Z22	19.8	22	24.2	30	10	18	28	1.2	0.2	10	16	DO-15
1Z22A	20.9	22	23.1									DO-15
1Z24	21.6	24	26.4	30	10	20	32	1.2	0.2	10	17	DO-15
1Z24A	22.8	24	25.2									DO-15
1Z27	24.3	27	29.7	30	10	23	36	1.2	0.2	10	19	DO-15
1Z27A	25.7	27	28.3									DO-15
1Z30	27.0	30	33	30	10	25	40	1.2	0.2	10	21	DO-15
1Z30A	28.5	30	31.5									DO-15
1Z33	29.7	33	36.3	30	10	26	41	1.2	0.2	10	26.4	DO-15
1Z36	32.4	36	39.6	30	9.0	28	45	1.2	0.2	10	28.8	DO-15
1Z43	38.7	43	47.3	40	7.0	33	53	1.2	0.2	10	34.4	DO-15
1Z47	42.3	47	51.7	65	6.0	38	60	1.2	0.2	10	37.6	DO-15
1Z51	45.9	51	56.1	65	6.0	43	68	1.2	0.2	10	40.8	DO-15
1Z68	61.2	68	74.8	120	4.0	57	90	1.2	0.2	10	54.4	DO-15
1Z75	67.5	75	82.5	150	4.0	66	104	1.2	0.2	10	60	DO-15

ZENER DIODES(1W)

Type	Nominal Zener Voltage					Temperature Coefficient of Zener Voltage $\alpha_T(\text{mV}/^\circ\text{C})$		Forward Voltage		Reverse Current		Case
	Zener Voltage $V_Z(\text{V})$			Zener Impedance $r_d(\Omega)$	Measurement Current I_Z			$V_F(\text{V})$	Measurement Current I_F	$I_R(\mu\text{A})$	Measurement Voltage V_R	
	Min.	Typ.	Max.	Max.	mA	Typ.	Max.	Max.	A	Max.	V	
1Z82	73.8	82	90.2	170	3.0	71	113	1.2	0.2	10	65.4	DO-15
1Z100	90	100	110	300	3.0	87	138	1.2	0.2	10	80	DO-15
1Z110	99	110	121	300	3.0	96	152	1.2	0.2	10	88	DO-15
1Z150	135	150	165	450	2.0	136	212	1.2	0.2	10	120	DO-15
1Z180	162	180	198	500	1.5	161	255	1.2	0.2	10	144	DO-15
1Z330	297	330	363	5000	1.0	297	472	1.2	0.2	10	264	DO-15
1Z390	351	390	429	10000	0.5	350	555	1.2	0.2	10	312	DO-15

Tolerance of zener voltage: 1Z6.2 Series $\pm 10\%$

1Z6.8A Series $\pm 5\%$



DO-15

ZENER DIODES(3.0W)

Type	V_Z			r_{zj} and TK_{VZ} at I_Z					I_R @ V_R		Case
	V	V	V	Ω	Ω	%/K	%/K	m A	m A	V	
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.		Max.		
BZG03C10	9.4	10	10.6	2.0	4.0	0.05	0.09	50	10	7.5	SMA
BZG03C11	10.4	11	11.6	4.0	7.0	0.05	0.10	50	4.0	8.2	SMA
BZG03C12	11.4	12	12.7	4.0	7.0	0.05	0.10	50	3.0	9.1	SMA
BZG03C13	12.4	13	14.1	5.0	10	0.05	0.10	50	2.0	10	SMA
BZG03C15	13.8	15	15.6	5.0	10	0.05	0.10	50	1.0	11	SMA
BZG03C16	15.3	16	17.1	6.0	15	0.06	0.11	25	1.0	12	SMA
BZG03C18	16.8	18	19.1	6.0	15	0.06	0.11	25	1.0	13	SMA
BZG03C20	18.8	20	21.2	6.0	15	0.06	0.11	25	1.0	15	SMA
BZG03C22	20.8	22	23.3	6.0	15	0.06	0.11	25	1.0	16	SMA
BZG03C24	22.8	24	25.6	7.0	15	0.06	0.11	25	1.0	18	SMA
BZG03C27	25.1	27	28.9	7.0	15	0.06	0.11	25	1.0	20	SMA
BZG03C30	28	30	32	8.0	15	0.06	0.11	25	1.0	22	SMA
BZG03C33	31	33	35	8.0	15	0.06	0.11	25	1.0	24	SMA
BZG03C36	34	36	38	21	40	0.06	0.11	10	1.0	27	SMA
BZG03C39	37	39	41	21	40	0.06	0.11	10	1.0	30	SMA
BZG03C43	40	43	46	24	45	0.07	0.12	10	1.0	33	SMA
BZG03C47	44	47	50	24	45	0.07	0.12	10	1.0	36	SMA
BZG03C51	48	51	54	25	60	0.07	0.12	10	1.0	39	SMA
BZG03C56	52	56	60	25	60	0.07	0.12	10	1.0	43	SMA
BZG03C62	58	62	66	25	80	0.08	0.13	10	1.0	47	SMA
BZG03C68	64	68	72	25	80	0.08	0.13	10	1.0	51	SMA
BZG03C75	70	75	79	30	100	0.08	0.13	10	1.0	56	SMA
BZG03C82	77	82	87	30	100	0.08	0.13	10	1.0	62	SMA
BZG03C91	85	91	96	60	200	0.09	0.13	5.0	1.0	68	SMA
BZG03C100	94	100	106	60	200	0.09	0.13	5.0	1.0	75	SMA
BZG03C110	104	110	116	80	250	0.09	0.13	5.0	1.0	82	SMA
BZG03C120	114	120	127	80	250	0.09	0.13	5.0	1.0	91	SMA
BZG03C130	124	130	141	110	300	0.09	0.13	5.0	1.0	100	SMA
BZG03C150	138	150	156	130	300	0.09	0.13	5.0	1.0	110	SMA
BZG03C160	158	160	171	150	350	0.09	0.13	5.0	1.0	120	SMA
BZG03C180	168	180	191	180	400	0.09	0.13	5.0	1.0	130	SMA
BZG03C200	188	200	212	200	500	0.09	0.13	5.0	1.0	150	SMA
BZG03C220	208	220	233	350	750	0.09	0.13	2.0	1.0	160	SMA
BZG03C240	228	240	256	400	850	0.09	0.13	2.0	1.0	180	SMA
BZG03C270	251	270	289	450	1000	0.09	0.13	2.0	1.0	200	SMA



SMA

ZENER DIODES(3.25W)

Type	Zener Voltage Range ⁽²⁾			Dynamic Resistance		Test Current	Temperature Coefficient of Zener Voltage		Reverse Leakage Current		Clamping		Stand-off		Case
	V _Z @I _{ZT}			r _{zj} @I _{ZT} , f=1kHz _Z		I _{ZT}	α _{VZ} @I _{ZT}		I _R @V _R		V _{(CL)R} ¹⁾ @ I _{RMS}		I _R @V _R ²⁾		
	V			Ω		m A	%/K		μ A	V	V	A	μ A	V	
	Min	Typ.	Max	Typ	Max		Min	Max	Max		Max		Max		
BZT03C6V2	5.8	6.2	6.6	1.0	2.0	100	0	0.07	1500	4.7	9.3	34	3000	5.1	DO-15
BZT03C6V8	6.4	6.8	7.2	1.0	2.0	100	0	0.07	1000	5.1	10.2	31	2000	5.6	DO-15
BZT03C7V5	7.0	7.5	7.9	1.0	2.0	100	0	0.07	750	5.6	11.3	26.5	1500	6.2	DO-15
BZT03C8V2	7.7	8.2	8.7	1.0	2.0	100	0.03	0.08	600	6.2	12.3	24.4	1200	6.8	DO-15
BZT03C9V1	8.5	9.1	9.6	2.0	4.0	50	0.03	0.08	20	6.8	13.3	22.7	50	7.5	DO-15
BZT03C10	9.4	10	10.6	2.0	4.0	50	0.05	0.09	10	7.5	14.8	20.3	20	8.2	DO-15
BZT03C11	10.4	11	11.6	4.0	7.0	50	0.05	0.10	4.0	8.2	15.7	19.1	5.0	9.1	DO-15
BZT03C12	11.4	12	12.7	4.0	7.0	50	0.05	0.10	3.0	9.1	17.0	17.7	5.0	10	DO-15
BZT03C13	12.4	13	14.1	5.0	10	50	0.05	0.10	2.0	10	18.9	15.9	5.0	11	DO-15
BZT03C15	13.8	15	15.6	5.0	10	50	0.05	0.10	1.0	11	20.9	14.4	5.0	12	DO-15
BZT03C16	15.3	16	17.1	6.0	15	25	0.06	0.11	1.0	12	22.9	13.1	5.0	13	DO-15
BZT03C18	16.8	18	19.1	6.0	15	25	0.06	0.11	1.0	13	25.6	11.7	5.0	15	DO-15
BZT03C20	18.8	20	21.2	6.0	15	25	0.06	0.11	1.0	15	28.4	10.6	5.0	16	DO-15
BZT03C22	20.8	22	23.3	6.0	15	25	0.06	0.11	1.0	16	31.0	9.7	5.0	18	DO-15
BZT03C24	22.8	24	25.6	7.0	15	25	0.06	0.11	1.0	18	33.8	8.9	5.0	20	DO-15
BZT03C27	25.1	27	28.9	7.0	15	25	0.06	0.11	1.0	20	38.1	7.9	5.0	22	DO-15
BZT03C30	28	30	32	8.0	15	25	0.06	0.11	1.0	22	42.2	7.1	5.0	24	DO-15
BZT03C33	31	33	35	8.0	15	25	0.06	0.11	1.0	24	46.2	6.5	5.0	27	DO-15
BZT03C36	34	36	38	21	40	10	0.06	0.11	1.0	27	50.1	6.0	5.0	30	DO-15
BZT03C39	37	39	41	21	40	10	0.06	0.11	1.0	30	54.1	5.5	5.0	33	DO-15
BZT03C43	40	43	46	24	45	10	0.07	0.12	1.0	33	60.7	4.9	5.0	36	DO-15
BZT03C47	44	47	50	24	45	10	0.07	0.12	1.0	36	65.5	4.6	5.0	39	DO-15
BZT03C51	48	51	54	25	60	10	0.07	0.12	1.0	39	70.8	4.2	5.0	43	DO-15
BZT03C56	52	56	60	25	60	10	0.07	0.12	1.0	43	78.6	3.8	5.0	47	DO-15
BZT03C62	58	62	66	25	80	10	0.08	0.13	1.0	47	86.5	3.5	5.0	51	DO-15
BZT03C68	64	68	72	25	80	10	0.08	0.13	1.0	51	94.4	3.2	5.0	56	DO-15
BZT03C75	70	75	79	30	100	10	0.08	0.13	1.0	56	103.5	2.9	5.0	62	DO-15
BZT03C82	77	82	87	30	100	10	0.08	0.13	1.0	62	114	2.6	5.0	68	DO-15
BZT03C91	85	91	96	60	200	5.0	0.09	0.13	1.0	68	126	2.4	5.0	75	DO-15
BZT03C100	94	100	106	60	200	5.0	0.09	0.13	1.0	75	139	2.2	5.0	82	DO-15
BZT03C110	104	110	116	80	250	5.0	0.09	0.13	1.0	82	152	2.0	5.0	91	DO-15
BZT03C120	114	120	127	80	250	5.0	0.09	0.13	1.0	91	167	1.8	5.0	100	DO-15
BZT03C130	124	130	141	110	300	5.0	0.09	0.13	1.0	100	185	1.6	5.0	110	DO-15
BZT03C150	138	150	156	130	300	5.0	0.09	0.13	1.0	110	204	1.5	5.0	120	DO-15
BZT03C160	153	160	171	150	350	5.0	0.09	0.13	1.0	120	224	1.3	5.0	130	DO-15
BZT03C180	168	180	191	180	400	5.0	0.09	0.13	1.0	130	249	1.2	5.0	150	DO-15
BZT03C200	188	200	212	200	500	5.0	0.09	0.13	1.0	150	276	1.1	5.0	160	DO-15
BZT03C220	208	220	233	350	750	2.0	0.09	0.13	1.0	160	305	1.0	5.0	180	DO-15

⁽¹⁾10/1000 exp.falling pulse tp=1000μs down to 50%

⁽²⁾Stand-off voltage=recommended supply voltage.

ZENER DIODES(3.25W)

Type	Zener Voltage Range ⁽²⁾			Dynamic Resistance		Test Current	Temperature Coefficient of Zener Voltage		Reverse Leakage Current		Clamping		Stand-off		Case
	V _Z @I _{ZT}			r _{zj} @I _{ZT} , f=1kHz		I _{ZT}	α _{VZ} @I _{ZT}		I _R @V _R		V _{(CL)R} ¹⁾ @ I _{RMS}		I _R @V _R ²⁾		
	V			Ω		m A	% / K		μ A	V	V	A	μ A	V	
	Min	Typ.	Max	Typ	Max		Min	Max	Max		Max		Max		
BZT03C240	228	240	256	400	850	2.0	0.09	0.13	1.0	180	336	0.9	5.0	200	DO-15
BZT03C270	251	270	289	450	1000	2.0	0.09	0.13	1.0	200	380	0.8	5.0	220	DO-15

⁽¹⁾10/1000 exp.falling pulse $t_p=1000\mu s$ down to 50%

⁽²⁾Stand-off voltage=recommended supply voltage.



DO-15

ZENER DIODES(3.25W)

Type	Zener Voltage Range ⁽²⁾			Dynamic Resistance		Test Current	Temperature Coefficient of Zener Voltage		Reverse Leakage Current		Clamping		Stand-off		Case
	V _Z @I _{ZT}			r _{zj} @I _{ZT} , f=1kHz		I _{ZT}	α _{VZ} @I _{ZT}		I _R @V _R		V _{(CL)R} ¹ @ I _{RMS}		I _R @V _R ²		
	V			Ω		m A	% / K		μ A	V	V	A	μ A	V	
	Min	Typ.	Max	Typ	Max		Min	Max	Max		Max		Max		
BZT03D6V2	5.6	6.2	6.8	1.0	2.0	100	0	0.07	1500	4.4	9.5	34	3000	4.8	DO-15
BZT03D6V8	6.1	6.8	7.5	1.0	2.0	100	0	0.07	1000	4.8	10.5	31	2000	5.3	DO-15
BZT03D7V5	6.75	7.5	8.25	1.0	2.0	100	0	0.07	750	5.3	11.6	26.5	1500	5.9	DO-15
BZT03D8V2	7.4	8.2	9	1.0	2.0	100	0.03	0.08	600	5.9	12.6	24.4	1200	6.5	DO-15
BZT03D9V1	8.2	9.1	10	2.0	4.0	50	0.03	0.08	20	6.5	13.7	22.7	50	7.1	DO-15
BZT03D10	9	10	11	2.0	4.0	50	0.05	0.09	10	7.1	15.2	20.3	20	7.9	DO-15
BZT03D11	9.9	11	12.1	4.0	7.0	50	0.05	0.10	4.0	7.9	16.2	19.1	5.0	8.6	DO-15
BZT03D12	10.8	12	13.2	4.0	7.0	50	0.05	0.10	3.0	8.6	17.5	17.7	5.0	9.3	DO-15
BZT03D13	11.7	13	14.3	5.0	10	50	0.05	0.10	2.0	9.3	19.1	15.9	5.0	10.6	DO-15
BZT03D15	13.5	15	16.5	5.0	10	50	0.05	0.10	1.0	10.6	21.8	14.4	5.0	11.6	DO-15
BZT03D16	14.4	16	17.6	6.0	15	25	0.06	0.11	1.0	11.6	23.4	13.1	5.0	12.6	DO-15
BZT03D18	16.2	18	19.8	6.0	15	25	0.06	0.11	1.0	12.6	26.3	11.7	5.0	14.4	DO-15
BZT03D20	18.0	20	22.0	6.0	15	25	0.06	0.11	1.0	14.4	29.2	10.6	5.0	15.8	DO-15
BZT03D22	29.8	22	24.2	6.0	15	25	0.06	0.11	1.0	15.8	31.9	9.7	5.0	17.2	DO-15
BZT03D24	21.6	24	26.4	7.0	15	25	0.06	0.11	1.0	17.2	34.6	8.9	5.0	19.4	DO-15
BZT03D27	24.3	27	29.7	7.0	15	25	0.06	0.11	1.0	19.4	39	7.9	5.0	21.5	DO-15
BZT03D30	27.0	30	33.0	8.0	15	25	0.06	0.11	1.0	21.5	43.5	7.1	5.0	23.5	DO-15
BZT03D33	29.7	33	36.3	8.0	15	25	0.06	0.11	1.0	23.5	47.5	6.5	5.0	25.8	DO-15
BZT03D36	32.4	36	39.6	21	40	10	0.06	0.11	1.0	25.8	51.5	6.0	5.0	28	DO-15
BZT03D39	35.1	39	42.9	21	40	10	0.06	0.11	1.0	28	56	5.5	5.0	31	DO-15
BZT03D43	38.7	43	47.3	24	45	10	0.07	0.12	1.0	31	62	4.9	5.0	33.5	DO-15
BZT03D47	42.3	47	51.7	24	45	10	0.07	0.12	1.0	33.5	67.5	4.6	5.0	36.5	DO-15
BZT03D51	45.9	51	56.1	25	60	10	0.07	0.12	1.0	36.5	73	4.2	5.0	40	DO-15
BZT03D56	50.4	56	61.6	25	60	10	0.07	0.12	1.0	40	81	3.8	5.0	44.5	DO-15
BZT03D62	55.8	62	68.2	25	80	10	0.08	0.13	1.0	44.5	89	3.5	5.0	49	DO-15
BZT03D68	61.2	68	74.8	25	80	10	0.08	0.13	1.0	49	97	3.2	5.0	54	DO-15
BZT03D75	67.5	75	82.5	30	100	10	0.08	0.13	1.0	54	107	2.9	5.0	59	DO-15
BZT03D82	73.8	82	90.2	30	100	10	0.08	0.13	1.0	59	117	2.6	5.0	65	DO-15
BZT03D91	81.9	91	100	60	200	5.0	0.09	0.13	1.0	65	130	2.4	5.0	71	DO-15
BZT03D100	90	100	110	60	200	5.0	0.09	0.13	1.0	71	143	2.2	5.0	79	DO-15
BZT03D110	99	110	121	80	250	5.0	0.09	0.13	1.0	79	157	2.0	5.0	86	DO-15
BZT03D120	108	120	132	80	250	5.0	0.09	0.13	1.0	86	172	1.8	5.0	93	DO-15
BZT03D130	117	130	143	110	300	5.0	0.09	0.13	1.0	93	187	1.6	5.0	106	DO-15
BZT03D150	135	150	165	130	300	5.0	0.09	0.13	1.0	106	213	1.5	5.0	116	DO-15
BZT03D160	144	160	176	150	350	5.0	0.09	0.13	1.0	116	229	1.3	5.0	126	DO-15
BZT03D180	162	180	198	180	400	5.0	0.09	0.13	1.0	126	256	1.2	5.0	144	DO-15
BZT03D200	180	200	220	200	500	5.0	0.09	0.13	1.0	144	284	1.1	5.0	158	DO-15
BZT03D220	198	220	242	350	750	2.0	0.09	0.13	1.0	158	314	1.0	5.0	172	DO-15

⁽¹⁾10/1000 exp.falling pulse $t_p=100\mu s$ down to 50%

⁽²⁾Stand-off voltage=recommended supply voltage.

ZENER DIODES(3.25W)

Type	Zener Voltage Range ⁽²⁾			Dynamic Resistance		Test Current	Temperature Coefficient of Zener Voltage		Reverse Leakage Current		Clamping		Stand-off		Case
	V _Z @I _{ZT}			r _{zj} @I _{ZT} , f=1kHz		I _{ZT}	α _{VZ} @I _{ZT}		I _R @V _R		V _{(CL)R} ¹⁾ @ I _{RMS}		I _R @V _R ²⁾		
	V			Ω		m A	% / K		μ A	V	V	A	μ A	V	
	Min	Typ.	Max	Typ	Max		Min	Max	Max		Max		Max		
BZT03D240	216	240	264	400	850	2.0	0.09	0.13	1.0	172	364	0.9	5.0	194	DO-15
BZT03D270	243	270	297	450	1000	2.0	0.09	0.13	1.0	194	388	0.8	5.0	215	DO-15

⁽¹⁾10/1000 exp.falling pulse $t_p=100\mu s$ down to 50%

⁽²⁾Stand-off voltage=recommended supply voltage.



DO-15

ZENER DIODES(1.5W)

Part Number	Zener Voltage Range ¹⁾		Dynamic Resistance	Temperature Coefficient of Zener Voltage	Test Current	Leakage Current	Reverse Voltage	Admis. Zener Current		Case
	$V_Z @ I_{ZT}$		$r_{zj} @ I_{ZT}, f=1kHz$	@ I_{ZT}	I_{ZT}	I_R	V_R	$I_Z @ T_{amb}=60^{\circ}C$	$I_{ZSM}, tp=10ms$	
	V	V	Ω	$Avz(10^{-4}/K)$	m A	μA	V	m A	A	
	Min.	Max.		typ						
BZY97C3V9	3.7	4.1	7.0	-0.025	100	15	1.0	366	3.7	DO-41
BZY97C4V3	4.0	4.6	7.0	-0.020	100	10	1.0	327	3.4	DO-41
BZY97C4V7	4.4	5.0	7.0	-0.020	100	5.0	1.0	300	3.1	DO-41
BZY97C5V1	4.8	5.4	5.0	-0.010	100	3.0	1.0	278	2.8	DO-41
BZY97C5V6	5.2	6.0	2.0	0.020	100	1.0	1.0	250	2.6	DO-41
BZY97C6V2	5.8	6.6	2.0	0.050	100	1.0	1.0	227	2.3	DO-41
BZY97C6V8	6.4	7.2	2.0	0.350	100	1.0	1.0	208	2.1	DO-41
BZY97C7V5	7.0	7.9	2.0	0.350	100	1.0	2.0	190	1.9	DO-41
BZY97C8V2	7.7	8.7	2.0	0.055	100	1.0	3.5	175	1.8	DO-41
BZY97C9V1	8.5	9.6	4.0	0.055	50	1.0	3.5	156	1.6	DO-41
BZY97C10	9.4	10.6	4.0	0.070	50	1.0	5.0	142	1.4	DO-41
BZY97C11	10.4	11.6	7.0	+5 to +10	50	1.0	5.0	129	1.3	DO-41
BZY97C12	11.4	12.7	7.0	+5 to +10	50	1.0	7.0	118	1.2	DO-41
BZY97C13	12.4	14.1	10	+5 to +10	50	1.0	7.0	106	1.1	DO-41
BZY97C15	13.8	15.8	10	+5 to +10	50	1.0	10	96	1.0	DO-41
BZY97C16	15.3	17.1	15	+6 to +11	25	1.0	10	88	0.90	DO-41
BZY97C18	16.8	19.1	15	+6 to +11	25	1.0	10	79	0.81	DO-41
BZY97C20	18.8	21.2	15	+6 to +11	25	1.0	10	71	0.73	DO-41
BZY97C22	20.8	23.3	15	+6 to +11	25	1.0	12	64	0.66	DO-41
BZY97C24	22.8	25.6	15	+6 to +11	25	1.0	12	59	0.60	DO-41
BZY97C27	25.1	28.9	15	+6 to +11	25	1.0	14	52	0.53	DO-41
BZY97C30	28	32	15	+6 to +11	25	1.0	14	47	0.48	DO-41
BZY97C33	31	35	15	+6 to +11	25	1.0	17	43	0.44	DO-41
BZY97C36	34	38	40	+6 to +11	10	1.0	17	40	0.4	DO-41
BZY97C39	37	41	40	+6 to +11	10	1.0	20	37	0.38	DO-41
BZY97C43	40	46	45	+7 to +12	10	1.0	20	33	0.33	DO-41
BZY97C47	44	50	45	+7 to +12	10	1.0	24	30	0.31	DO-41
BZY97C51	48	54	60	+7 to +12	10	1.0	24	28	0.28	DO-41
BZY97C56	52	60	60	+7 to +12	10	1.0	28	25	0.26	DO-41
BZY97C62	58	66	80	+7 to +12	10	1.0	28	23	0.23	DO-41
BZY97C68	64	72	80	+7 to +12	10	1.0	34	21	0.21	DO-41
BZY97C75	70	79	100	+7 to +12	10	1.0	34	19	0.19	DO-41
BZY97C82	77	88	100	+7 to +12	10	1.0	41	17	0.18	DO-41
BZY97C91	85	96	200	+8 to +13	5.0	1.0	41	16	0.16	DO-41
BZY97C100	94	106	200	+8 to +13	5.0	1.0	50	14	0.15	DO-41
BZY97C110	104	116	250	+8 to +13	5.0	1.0	50	13	0.13	DO-41
BZY97C120	114	127	250	+8 to +13	5.0	1.0	60	12	0.12	DO-41
BZY97C130	124	141	300	+8 to +13	5.0	1.0	60	11	0.11	DO-41

Note:1) Tested with pulses $tp=5\text{ ms}$

ZENER DIODES(1.5W)

Part Number	Zener Voltage Range ¹⁾		Dynamic Resistance	Temperature Coefficient of Zener Voltage	Test Current	Leakage Current	Reverse Voltage	Admis. Zener Current		Case
	$V_Z @ I_{ZT}$		$r_{zj} @ I_{ZT}, f=1kHz$	@ I_{ZT}	I_{ZT}	I_R	V_R	$I_Z @ T_{amb}=60^{\circ}C$	$I_{ZSM}, tp=10ms$	
	V	V	Ω	$Avz(10^{-4}/K)$	m A	μA	V	m A	A	
	Min.	Max.		typ						
BZY97C150	138	156	300	+8 to +13	5.0	1.0	75	10	0.10	DO-41
BZY97C160	153	171	350	+8 to +13	5.0	1.0	75	9.0	0.09	DO-41
BZY97C180	168	191	350	+8 to +13	5.0	1.0	90	8.0	0.08	DO-41
BZY97C200	188	212	350	+8 to +13	5.0	1.0	90	7.0	0.07	DO-41

Note:1) Tested with pulses $tp=5$ ms



DO-41

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	400W
Breakdown Voltage	6.8---440V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use C or CA suffix for types P4KE7.5 thru P4KE440(e.g.P4KE7.5C,P4KE440CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 400	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	1.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_F	40	A
Maximum instantaneous forward voltage at 25A for unidirectional only (NOTE)	V_F	3.5/6.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-41		

NOTE: $V_F=3.5\text{V}(\text{max})$,for devices of $V_{(BR)}\leq 200\text{V}$,and
 $V_F=6.5\text{V}(\text{max})$,for devices of $V_{(BR)}>200\text{V}$



DO-41



Transient voltage suppressor

Type	V _(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	αV _(BR)
	V		@I _T		@V _{WM}		@I _{PPM}	
	Min	Max	mA		V		μA		A	V	%/°C
P4KE6.8	6.12	7.48	10	5.50	1000	37.0	10.8	0.057
P4KE6.8A	6.45	7.14	10	5.80	1000	38.1	10.5	0.057
P4KE7.5	6.75	8.25	10	6.05	500	34.2	11.7	0.061
P4KE7.5A	7.13	7.88	10	6.40	500	35.4	11.3	0.061
P4KE8.2	7.38	9.02	10	6.63	200	32.0	12.5	0.065
P4KE8.2A	7.79	8.61	10	7.02	200	33.1	12.1	0.065
P4KE9.1	8.19	10.0	1.0	7.37	50	29.0	13.8	0.068
P4KE9.1A	8.65	9.55	1.0	7.78	50	29.9	13.4	0.068
P4KE10	9.0	11.0	1.0	8.10	10	26.7	15.0	0.073
P4KE10A	9.5	10.5	1.0	8.55	10	27.6	14.5	0.073
P4KE11	9.9	12.1	1.0	8.92	5.0	24.7	16.2	0.075
P4KE11A	10.5	11.6	1.0	9.40	5.0	25.6	15.6	0.075
P4KE12	10.8	13.2	1.0	9.72	5.0	23.1	17.3	0.076
P4KE12A	11.4	12.6	1.0	10.2	5.0	24.0	16.7	0.078
P4KE13	11.7	14.3	1.0	10.5	5.0	21.1	19.0	0.081
P4KE13A	12.4	13.7	1.0	11.1	5.0	22.0	18.2	0.081
P4KE15	13.5	16.5	1.0	12.1	5.0	18.2	22.0	0.084
P4KE15A	14.3	15.8	1.0	12.8	5.0	18.9	21.2	0.084
P4KE16	14.4	17.6	1.0	12.9	5.0	17.0	23.5	0.086
P4KE16A	15.2	16.8	1.0	13.6	5.0	17.8	22.5	0.086
P4KE18	16.2	19.8	1.0	14.5	5.0	15.1	26.5	0.088
P4KE18A	17.1	18.9	1.0	15.3	5.0	15.9	25.2	0.088
P4KE20	18.0	22.0	1.0	16.2	5.0	13.7	29.1	0.090
P4KE20A	19.0	21.0	1.0	17.1	5.0	14.4	27.7	0.090
P4KE22	19.8	24.2	1.0	17.8	5.0	12.5	31.9	0.092
P4KE22A	20.9	23.1	1.0	18.8	5.0	13.1	30.6	0.092
P4KE24	21.6	26.4	1.0	19.4	5.0	11.5	34.7	0.094
P4KE24A	22.8	25.2	1.0	20.5	5.0	12.0	33.2	0.094
P4KE27	24.3	29.7	1.0	21.8	5.0	10.2	39.1	0.096
P4KE27A	25.7	28.4	1.0	23.1	5.0	10.7	37.5	0.096
P4KE30	27.0	33.0	1.0	24.3	5.0	9.2	43.5	0.097
P4KE30A	28.5	31.5	1.0	25.6	5.0	9.7	41.4	0.097
P4KE33	29.7	36.3	1.0	26.8	5.0	8.4	47.7	0.098
P4KE33A	31.4	34.7	1.0	28.2	5.0	8.8	45.7	0.098
P4KE36	32.4	39.6	1.0	29.1	5.0	7.7	52.0	0.099
P4KE36A	34.2	37.8	1.0	30.8	5.0	8.0	49.9	0.099
P4KE39	35.1	42.9	1.0	31.6	5.0	7.1	56.4	0.100
P4KE39A	37.1	41.0	1.0	33.3	5.0	7.4	53.9	0.100
P4KE43	38.7	47.3	1.0	34.8	5.0	6.5	61.9	0.101
P4KE43A	40.9	45.2	1.0	36.8	5.0	6.7	59.3	0.101
P4KE47	42.3	51.7	1.0	38.1	5.0	5.9	67.8	0.101
P4KE47A	44.7	49.4	1.0	40.2	5.0	6.2	64.8	0.101
P4KE51	45.9	56.1	1.0	41.3	5.0	5.4	73.5	0.102

Transient voltage suppressor

Type	V _(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	αV _(BR)
	V		@I _T		@V _{WM}		@I _{PPM}	
	Min	Max	mA		V		μA		A	V	%/°C
P4KE51A	48.5	53.6	1.0	43.6	5.0	5.7	70.1	0.102
P4KE56	50.4	61.6	1.0	45.4	5.0	5.0	80.5	0.103
P4KE56A	53.2	58.8	1.0	47.8	5.0	5.2	77.0	0.103
P4KE62	55.8	68.2	1.0	50.2	5.0	4.5	89.0	0.104
P4KE62A	58.9	65.1	1.0	53.0	5.0	4.7	85.0	0.104
P4KE68	61.2	74.8	1.0	55.1	5.0	4.1	98.0	0.104
P4KE68A	64.6	71.4	1.0	58.1	5.0	4.3	92.0	0.104
P4KE75	67.5	82.5	1.0	60.7	5.0	3.7	108	0.105
P4KE75A	71.3	78.8	1.0	64.1	5.0	3.9	103	0.105
P4KE82	73.8	90.2	1.0	66.4	5.0	3.4	118	0.105
P4KE82A	77.9	86.1	1.0	70.1	5.0	3.5	113	0.105
P4KE91	81.9	100	1.0	73.7	5.0	3.1	131	0.106
P4KE91A	86.5	95.5	1.0	77.8	5.0	3.2	125	0.106
P4KE100	90	110	1.0	81.0	5.0	2.8	144	0.106
P4KE100A	95	105	1.0	85.5	5.0	2.9	137	0.106
P4KE110	99	121	1.0	89.2	5.0	2.5	158	0.107
P4KE110A	105	116	1.0	94.0	5.0	2.6	152	0.107
P4KE120	108	132	1.0	97.2	5.0	2.3	173	0.107
P4KE120A	114	126	1.0	102	5.0	2.4	165	0.107
P4KE130	117	143	1.0	105	5.0	2.1	187	0.107
P4KE130A	124	137	1.0	111	5.0	2.2	179	0.107
P4KE150	135	165	1.0	121	5.0	1.9	215	0.108
P4KE150A	143	158	1.0	128	5.0	1.9	207	0.108
P4KE160	144	176	1.0	130	5.0	1.7	230	0.108
P4KE160A	152	168	1.0	136	5.0	1.8	219	0.108
P4KE170	153	187	1.0	138	5.0	1.6	244	0.108
P4KE170A	162	179	1.0	145	5.0	1.7	234	0.108
P4KE180	162	198	1.0	146	5.0	1.6	258	0.108
P4KE180A	171	189	1.0	154	5.0	1.6	246	0.108
P4KE200	180	220	1.0	162	5.0	1.4	287	0.108
P4KE200A	190	210	1.0	171	5.0	1.5	274	0.108
P4KE220	198	242	1.0	175	5.0	1.2	344	0.108
P4KE220A	209	231	1.0	185	5.0	1.2	328	0.108
P4KE250	225	275	1.0	202	5.0	1.1	360	0.110
P4KE250A	237	267	1.0	214	5.0	1.2	344	0.110
P4KE300	270	330	1.0	243	5.0	0.93	430	0.110
P4KE300A	285	315	1.0	256	5.0	1.0	414	0.110
P4KE350	315	385	1.0	284	5.0	0.79	504	0.110
P4KE350A	332	368	1.0	300	5.0	0.83	482	0.110
P4KE400	360	440	1.0	324	5.0	0.70	574	0.110
P4KE400A	380	420	1.0	342	5.0	0.73	548	0.110
P4KE440	396	484	1.0	356	5.0	0.63	631	0.110
P4KE440A	418	462	1.0	376	5.0	0.66	602	0.110

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	600W
Breakdown Voltage	6.8---440V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use C or CA suffix for types P6KE7.5 thru P6KE440(e.g.P6KE7.5C,P6KE440CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 600	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	5.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	100	A
Maximum instantaneous forward voltage at 50A for unidirectional only (NOTE)	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-15		

NOTE: $V_F=3.5\text{V}(\text{max})$,for devices of $V_{BR}\leq 200\text{V}$,and
 $V_F=5.0\text{V}(\text{max})$,for devices of $V_{BR}>200\text{V}$



DO-15

Transient voltage suppressor

Type	V _(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	αV _(BR)
	V		@I _T		@V _{WM}		@I _{PPM}	
	Min	Max	mA	V	μA	A	V	%/°C
P6KE6.8	6.12	7.48	10	5.50	1000	55.6	10.8	0.057
P6KE6.8A	6.45	7.14	10	5.80	1000	57.1	10.5	0.057
P6KE7.5	6.75	8.25	10	6.05	500	51.3	11.7	0.061
P6KE7.5A	7.13	7.88	10	6.40	500	53.1	11.3	0.061
P6KE8.2	7.38	9.02	10	6.63	200	48.0	12.5	0.065
P6KE8.2A	7.79	8.61	10	7.02	200	49.6	12.1	0.065
P6KE9.1	8.19	10.0	1.0	7.37	50	43.5	13.8	0.068
P6KE9.1A	8.65	9.55	1.0	7.78	50	44.8	13.4	0.068
P6KE10	9.0	11.0	1.0	8.10	10	40.0	15.0	0.073
P6KE10A	9.5	10.5	1.0	8.55	10	41.4	14.5	0.073
P6KE11	9.9	12.1	1.0	8.92	5.0	37.0	16.2	0.075
P6KE11A	10.5	11.6	1.0	9.40	5.0	38.5	15.6	0.075
P6KE12	10.8	13.2	1.0	9.72	5.0	34.7	17.3	0.078
P6KE12A	11.4	12.6	1.0	10.2	5.0	35.9	16.7	0.078
P6KE13	11.7	14.3	1.0	10.5	5.0	31.6	19.0	0.081
P6KE13A	12.4	13.7	1.0	11.1	5.0	33.0	18.2	0.081
P6KE15	13.5	16.5	1.0	12.1	5.0	27.3	22.0	0.084
P6KE15A	14.3	15.8	1.0	12.8	5.0	28.3	21.2	0.084
P6KE16	14.4	17.6	1.0	12.9	5.0	25.5	23.6	0.086
P6KE16A	15.2	16.8	1.0	13.6	5.0	26.7	22.5	0.086
P6KE18	16.2	19.8	1.0	14.5	5.0	22.6	26.5	0.088
P6KE18A	17.1	18.9	1.0	15.3	5.0	23.8	25.2	0.088
P6KE20	18.0	22.0	1.0	16.2	5.0	20.6	29.1	0.090
P6KE20A	19.0	21.0	1.0	17.1	5.0	21.7	27.7	0.090
P6KE22	19.8	24.2	1.0	17.8	5.0	18.8	31.9	0.092
P6KE22A	20.9	23.1	1.0	18.8	5.0	19.6	30.6	0.092
P6KE24	21.6	26.4	1.0	19.4	5.0	17.3	34.7	0.094
P6KE24A	22.8	25.2	1.0	20.5	5.0	18.1	33.2	0.094
P6KE27	24.3	29.7	1.0	21.8	5.0	15.3	39.1	0.096
P6KE27A	25.7	28.4	1.0	23.1	5.0	16.0	37.5	0.096
P6KE30	27.0	33.0	1.0	24.3	5.0	13.8	43.5	0.097
P6KE30A	28.5	31.5	1.0	25.6	5.0	14.5	41.4	0.097
P6KE33	29.7	36.3	1.0	26.8	5.0	12.6	47.7	0.098
P6KE33A	31.4	34.7	1.0	28.2	5.0	13.1	45.7	0.098
P6KE36	32.4	39.6	1.0	29.1	5.0	11.5	52.0	0.099
P6KE36A	34.2	37.8	1.0	30.8	5.0	12.0	49.9	0.099
P6KE39	35.1	42.9	1.0	31.6	5.0	10.6	56.4	0.100
P6KE39A	37.1	41.0	1.0	33.3	5.0	11.1	53.9	0.100
P6KE43	38.7	47.3	1.0	34.8	5.0	9.7	61.9	0.101
P6KE43A	40.9	45.2	1.0	36.8	5.0	10.1	59.3	0.101
P6KE47	42.3	51.7	1.0	38.1	5.0	8.8	67.8	0.101
P6KE47A	44.7	49.4	1.0	40.2	5.0	9.3	64.8	0.101
P6KE51	45.9	56.1	1.0	41.3	5.0	8.2	73.5	0.102



Transient voltage suppressor

Type	V _(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	αV _(BR)
	V		@I _T		@V _{WM}		@I _{PPM}	
	Min	Max	mA		V		μA		A	V	%/°C
P6KE51A	48.5	53.6	1.0	43.6	5.0	8.6	70.1	0.102
P6KE56	50.4	61.6	1.0	45.4	5.0	7.5	80.5	0.103
P6KE56A	53.2	58.8	1.0	47.8	5.0	7.8	77.0	0.103
P6KE62	55.8	68.2	1.0	50.2	5.0	6.7	89.0	0.104
P6KE62A	58.9	65.1	1.0	53.0	5.0	7.1	85.0	0.104
P6KE68	61.2	74.8	1.0	55.1	5.0	6.1	98.0	0.104
P6KE68A	64.6	71.4	1.0	58.1	5.0	6.5	92.0	0.104
P6KE75	67.5	82.5	1.0	60.7	5.0	5.6	108	0.105
P6KE75A	71.3	78.8	1.0	64.1	5.0	5.8	103	0.105
P6KE82	73.8	90.2	1.0	66.4	5.0	5.1	118	0.105
P6KE82A	77.9	86.1	1.0	70.1	5.0	5.3	113	0.105
P6KE91	81.9	100	1.0	73.7	5.0	4.6	131	0.106
P6KE91A	86.5	95.5	1.0	77.8	5.0	4.8	125	0.106
P6KE100	90.0	110	1.0	81.0	5.0	4.2	144	0.106
P6KE100A	95.0	105	1.0	85.5	5.0	4.4	137	0.106
P6KE110	99.0	121	1.0	89.2	5.0	3.8	158	0.107
P6KE110A	105	116	1.0	94.0	5.0	3.9	152	0.107
P6KE120	108	132	1.0	97.2	5.0	3.5	173	0.107
P6KE120A	114	126	1.0	102	5.0	3.6	165	0.107
P6KE130	117	143	1.0	105	5.0	3.2	187	0.107
P6KE130A	124	137	1.0	111	5.0	3.6	179	0.107
P6KE150	135	165	1.0	121	5.0	2.8	215	0.108
P6KE150A	143	158	1.0	128	5.0	2.9	207	0.108
P6KE160	144	176	1.0	130	5.0	2.6	230	0.108
P6KE160A	152	168	1.0	136	5.0	2.7	219	0.108
P6KE170	153	187	1.0	138	5.0	2.5	244	0.108
P6KE170A	162	179	1.0	145	5.0	2.6	234	0.108
P6KE180	162	198	1.0	146	5.0	2.3	258	0.108
P6KE180A	171	189	1.0	154	5.0	2.4	246	0.108
P6KE200	180	220	1.0	162	5.0	2.1	287	0.108
P6KE200A	190	210	1.0	171	5.0	2.2	274	0.108
P6KE220	198	242	1.0	175	5.0	1.7	344	0.108
P6KE220A	209	231	1.0	185	5.0	1.8	328	0.108
P6KE250	225	275	1.0	202	5.0	1.7	360	0.110
P6KE250A	237	263	1.0	214	5.0	1.7	344	0.110
P6KE300	270	330	1.0	243	5.0	1.4	430	0.110
P6KE300A	285	315	1.0	256	5.0	1.4	414	0.110
P6KE350	315	385	1.0	284	5.0	1.2	504	0.110
P6KE350A	332	368	1.0	300	5.0	1.2	482	0.110
P6KE400	360	440	1.0	324	5.0	1.0	574	0.110
P6KE400A	380	420	1.0	342	5.0	1.1	548	0.110
P6KE440	396	484	1.0	356	5.0	0.95	631	0.110
P6KE440A	418	462	1.0	376	5.0	1.0	602	0.110

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	1500W
Breakdown Voltage	6.8---540V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use C or CA suffix for types 1.5KE7.5 thru 1.5KE540(e.g.1.5KE7.5C,1.5KE540CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 1500	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	5.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	200	A
Maximum instantaneous forward voltage at 100A for unidirectional only (NOTE)	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-201AE		

NOTE: $V_F=3.5\text{V}(\text{max})$,for devices of $V_{(BR)}\leq 200\text{V}$,and
 $V_F=5.0\text{V}(\text{max})$,for devices of $V_{(BR)}>200\text{V}$



DO-201AE



Transient voltage suppressor

Type	V _(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	αV _(BR)
	V		@I _T		@V _{WM}		@I _{PPM}	
	Min	Max	mA	V	mA	A	V		%/°C
1.5KE6.8	6.12	7.48	10	5.50	1000	139	10.8	0.057
1.5KE6.8A	6.45	7.14	10	5.80	1000	143	10.5	0.057
1.5KE7.5	6.75	8.25	10	6.05	500	128	11.7	0.061
1.5KE7.5A	7.13	7.88	10	6.40	500	133	11.3	0.061
1.5KE8.2	7.38	9.02	10	6.63	200	120	12.5	0.065
1.5KE8.2A	7.79	8.61	10	7.02	200	124	12.1	0.065
1.5KE9.1	8.19	10.0	1.0	7.37	50	109	13.8	0.068
1.5KE9.1A	8.65	9.55	1.0	7.78	50	112	13.4	0.068
1.5KE10	9.0	11.0	1.0	8.10	10	100	15.0	0.073
1.5KE10A	9.5	10.5	1.0	8.55	10	103	14.5	0.073
1.5KE11	9.9	12.1	1.0	8.92	5.0	92.6	16.2	0.075
1.5KE11A	10.5	11.6	1.0	9.40	5.0	96.2	15.6	0.075
1.5KE12	10.8	13.2	1.0	9.72	5.0	86.7	17.3	0.078
1.5KE12A	11.4	12.6	1.0	10.2	5.0	89.8	16.7	0.078
1.5KE13	11.7	14.3	1.0	10.5	5.0	78.9	19.0	0.081
1.5KE13A	12.4	13.7	1.0	11.1	5.0	82.4	18.2	0.081
1.5KE15	13.5	16.5	1.0	12.1	5.0	68.2	22.0	0.084
1.5KE15A	14.3	15.8	1.0	12.8	5.0	70.8	21.2	0.084
1.5KE16	14.4	17.6	1.0	12.9	5.0	63.8	23.5	0.086
1.5KE16A	15.2	16.8	1.0	13.6	5.0	66.7	22.5	0.086
1.5KE18	16.2	19.8	1.0	14.5	5.0	56.6	26.5	0.088
1.5KE18A	17.1	18.9	1.0	15.3	5.0	59.5	25.2	0.089
1.5KE20	18.0	22.0	1.0	16.2	5.0	51.5	29.1	0.090
1.5KE20A	19.0	21.0	1.0	17.1	5.0	54.2	27.7	0.090
1.5KE22	19.8	24.2	1.0	17.8	5.0	47.0	31.9	0.092
1.5KE22A	20.9	23.1	1.0	18.8	5.0	49.0	30.6	0.092
1.5KE24	21.6	26.4	1.0	19.4	5.0	43.2	34.7	0.094
1.5KE24A	22.8	25.2	1.0	20.5	5.0	45.2	33.2	0.094
1.5KE27	24.3	29.7	1.0	21.8	5.0	38.4	39.1	0.096
1.5KE27A	25.7	28.4	1.0	23.1	5.0	40.0	37.5	0.096
1.5KE30	27.0	33.0	1.0	24.3	5.0	34.5	43.5	0.097
1.5KE30A	28.5	31.5	1.0	25.6	5.0	36.2	41.4	0.097
1.5KE33	29.7	36.3	1.0	26.8	5.0	31.4	47.7	0.098
1.5KE33A	31.4	34.7	1.0	28.2	5.0	32.8	45.7	0.098
1.5KE36	32.4	39.6	1.0	29.1	5.0	28.8	52.0	0.099
1.5KE36A	34.2	37.8	1.0	30.8	5.0	30.1	49.9	0.099
1.5KE39	35.1	42.9	1.0	31.6	5.0	26.6	56.4	0.100
1.5KE39A	37.1	41.0	1.0	33.3	5.0	27.8	53.9	0.100
1.5KE43	38.7	47.3	1.0	34.8	5.0	24.2	61.9	0.101
1.5KE43A	40.9	45.2	1.0	36.8	5.0	25.3	59.3	0.101
1.5KE47	42.3	51.7	1.0	38.1	5.0	22.1	67.8	0.101
1.5KE47A	44.7	49.4	1.0	40.2	5.0	23.1	64.8	0.101

Transient voltage suppressor

Type	V _(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	αV _(BR)
	V		@I _T		@V _{WM}		@I _{PPM}	
	Min	Max	mA	V	mA	A	V		%/°C
1.5KE51	45.9	56.1	1.0	41.3	5.0	20.4	73.5	0.102
1.5KE51A	48.5	53.6	1.0	43.6	5.0	21.4	70.1	0.102
1.5KE56	50.4	61.8	1.0	45.4	5.0	18.6	80.5	0.103
1.5KE56A	53.2	58.8	1.0	47.8	5.0	19.5	77.0	0.103
1.5KE62	55.8	68.2	1.0	50.2	5.0	16.9	89.0	0.104
1.5KE62A	58.9	65.1	1.0	53.0	5.0	17.6	85.0	0.104
1.5KE68	61.2	74.8	1.0	55.1	5.0	15.3	98.0	0.104
1.5KE68A	64.6	71.4	1.0	58.1	5.0	16.3	92.0	0.104
1.5KE75	67.5	82.5	1.0	60.7	5.0	13.9	108	0.105
1.5KE75A	71.3	78.8	1.0	64.1	5.0	14.6	103	0.105
1.5KE82	73.8	90.2	1.0	66.4	5.0	12.7	118	0.105
1.5KE82A	77.9	86.1	1.0	70.1	5.0	13.3	113	0.105
1.5KE91	81.9	100	1.0	73.7	5.0	11.5	131	0.106
1.5KE91A	86.5	95.5	1.0	77.8	5.0	12.0	125	0.106
1.5KE100	90.0	110	1.0	81.0	5.0	10.4	144	0.106
1.5KE100A	95.0	105	1.0	85.5	5.0	10.9	137	0.106
1.5KE110	99.0	121	1.0	89.2	5.0	9.5	158	0.107
1.5KE110A	106	116	1.0	94.0	5.0	9.9	152	0.107
1.5KE120	108	132	1.0	97.2	5.0	8.7	173	0.107
1.5KE120A	114	126	1.0	102	5.0	9.1	165	0.107
1.5KE130	117	143	1.0	105	5.0	8.0	187	0.107
1.5KE130A	124	137	1.0	111	5.0	8.4	179	0.107
1.5KE150	136	165	1.0	121	5.0	7.0	215	0.108
1.5KE150A	143	158	1.0	128	5.0	7.2	207	0.108
1.5KE160	144	176	1.0	130	5.0	6.5	230	0.108
1.5KE160A	152	168	1.0	136	5.0	6.8	219	0.108
1.5KE170	153	167	1.0	138	5.0	6.1	244	0.108
1.5KE170A	162	179	1.0	145	5.0	6.4	234	0.108
1.5KE180	162	198	1.0	146	5.0	5.8	258	0.108
1.5KE180A	171	189	1.0	154	5.0	6.1	246	0.108
1.5KE200	180	220	1.0	162	5.0	5.2	287	0.108
1.5KE200A	190	210	1.0	171	5.0	5.5	274	0.108
1.5KE220	196	242	1.0	175	5.0	4.4	344	0.108
1.5KE220A	209	231	1.0	185	5.0	4.6	328	0.108
1.5KE250	225	275	1.0	202	5.0	4.20	360	0.110
1.5KE250A	237	263	1.0	214	5.0	4.40	344	0.110
1.5KE300	270	330	1.0	243	5.0	3.50	430	0.110
1.5KE300A	285	315	1.0	256	5.0	3.60	414	0.110
1.5KE350	315	385	1.0	284	5.0	3.00	504	0.110
1.5KE350A	333	368	1.0	300	5.0	3.10	482	0.110
1.5KE400	360	440	1.0	324	5.0	2.60	574	0.110
1.5KE400A	380	420	1.0	342	5.0	2.70	548	0.110

**Transient voltage suppressor**

Type	$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C	$\alpha V_{(BR)}$
	V		@ I_T		@ V_{WM}		@ I_{PPM}	
	Min	Max	mA		mA		V	
1.5KE440	396	484	1.0	356	5.0	2.40	631	0.110
1.5KE440A	418	462	1.0	376	5.0	2.50	602	0.110
1.5KE480	432	528	1.0	389	5.0	2.19	686	0.110
1.5KE480A	456	504	1.0	408	5.0	2.28	658	0.110
1.5KE510	459	561	1.0	413	5.0	2.06	729	0.110
1.5KE510A	485	535	1.0	434	5.0	2.15	698	0.110
1.5KE540	486	594	1.0	437	5.0	1.94	772	0.110
1.5KE540A	513	567	1.0	459	5.0	2.03	740	0.110

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	400W
Breakdown Voltage	5.8---376V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "B" (e.g.BZW04P-6V4B)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 400	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	1.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_F	40	A
Maximum instantaneous forward voltage at 25A for unidirectional only (NOTE)	V_F	3.0/6.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-41		

NOTE: $V_F=3.0\text{V}(\text{max})$,for devices of $V_{(BR)}\leq 200\text{V}$,and
 $V_F=6.5\text{V}(\text{max})$,for devices of $V_{(BR)}>200\text{V}$



DO-41



Transient voltage suppressor

Device Type		V(BR)			V _{WM}	I _{DM} @V _{WM}	I _{PPM}	V _C @I _{PPM}	α V _(BR)
		V		@I _T					
Unidirectional	Bidirectional	Min	Max	mA	V	mA	A	V	%/°C
BZW04P5V8	BZW04P5V8B	6.45	7.48	10	5.80	1000	38.0	10.5	0.057
BZW04-5V8	BZW04-5V8B	6.45	7.14	10	5.80	1000	38.0	10.5	0.057
BZW04P6V4	BZW04P6V4B	7.13	8.25	10	6.40	500	35.4	11.3	0.061
BZW04-6V4	BZW04-6V4B	7.13	7.88	10	6.40	500	35.4	11.3	0.061
BZW04P7V0	BZW04P7V0B	7.79	9.02	10	7.02	200	33.0	12.1	0.065
BZW04-7V0	BZW04-7V0B	7.79	8.61	10	7.02	200	33.0	12.1	0.065
BZW04P7V8	BZW04P7V8B	8.65	10.0	1.0	7.78	50	30.0	13.4	0.068
BZW04-7V8	BZW04-7V8B	8.65	9.55	1.0	7.78	50	30.0	13.4	0.068
BZW04P8V5	BZW04P8V5B	9.50	11.0	1.0	8.55	10	27.6	14.5	0.070
BZW04-8V5	BZW04-8V5B	9.50	10.5	1.0	8.55	10	27.6	14.5	0.070
BZW04P9V4	BZW04P9V4B	10.5	12.1	1.0	9.40	5.0	25.7	15.6	0.075
BZW04-9V4	BZW04-9V4B	10.5	11.6	1.0	9.40	5.0	25.7	15.6	0.075
BZW04P10	BZW04P10B	11.4	13.2	1.0	10.2	5.0	24.0	16.7	0.078
BZW04-10	BZW04-10B	11.4	12.6	1.0	10.2	5.0	24.0	16.7	0.078
BZW04P11	BZW04P11B	12.4	14.3	1.0	11.1	5.0	22.0	18.2	0.081
BZW04-11	BZW04-11B	12.4	13.7	1.0	11.1	5.0	22.0	18.2	0.081
BZW04P13	BZW04P13B	14.3	16.5	1.0	12.8	5.0	19.0	21.2	0.084
BZW04-13	BZW04-13B	14.3	15.8	1.0	12.8	5.0	19.0	21.2	0.084
BZW04P14	BZW04P14B	15.2	17.6	1.0	13.6	1.0	17.8	22.5	0.086
BZW04-14	BZW04-14B	15.2	16.8	1.0	13.6	1.0	17.8	22.5	0.086
BZW04P15	BZW04P15B	17.1	19.8	1.0	15.3	1.0	16.0	25.2	0.088
BZW04-15	BZW04-15B	17.1	18.9	1.0	15.3	1.0	16.0	25.2	0.088
BZW04P17	BZW04P17B	19.0	22.0	1.0	17.1	1.0	14.5	27.7	0.090
BZW04-17	BZW04-17B	19.0	21.0	1.0	17.1	1.0	14.5	27.7	0.090
BZW04P19	BZW04P19B	20.9	24.2	1.0	18.8	1.0	13.0	30.6	0.092
BZW04-19	BZW04-19B	20.9	23.1	1.0	18.8	1.0	13.0	30.6	0.092
BZW04P20	BZW04P20B	22.8	26.4	1.0	20.5	1.0	12.0	33.2	0.094
BZW04-20	BZW04-20B	22.8	25.2	1.0	20.5	1.0	12.0	33.2	0.094
BZW04P23	BZW04P23B	25.7	29.7	1.0	23.1	1.0	10.7	37.5	0.096
BZW04-23	BZW04-23B	25.7	28.4	1.0	23.1	1.0	10.7	37.5	0.096
BZW04P26	BZW04P26B	28.5	33.0	1.0	25.6	1.0	9.6	41.5	0.097
BZW04-26	BZW04-26B	28.5	31.5	1.0	25.6	1.0	9.6	41.5	0.097
BZW04P28	BZW04P28B	31.4	36.3	1.0	28.2	1.0	8.8	45.7	0.098
BZW04-28	BZW04-28B	31.4	34.7	1.0	28.2	1.0	8.8	45.7	0.098
BZW04P31	BZW04P31B	34.2	39.6	1.0	30.8	1.0	8.0	49.9	0.099
BZW04-31	BZW04-31B	34.2	37.8	1.0	30.8	1.0	8.0	49.9	0.099
BZW04P33	BZW04P33B	37.1	42.9	1.0	33.3	1.0	7.4	53.9	0.100
BZW04-33	BZW04-33B	37.1	41.0	1.0	33.3	1.0	7.4	53.9	0.100
BZW04P37	BZW04P37B	40.9	47.3	1.0	36.8	1.0	6.7	59.3	0.101
BZW04-37	BZW04-37B	40.9	45.2	1.0	36.8	1.0	6.7	59.3	0.101
BZW04P40	BZW04P40B	44.7	51.7	1.0	40.2	1.0	6.2	64.8	0.101
BZW04-40	BZW04-40B	44.7	49.4	1.0	40.2	1.0	6.2	64.8	0.101



Transient voltage suppressor

Device Type		V(BR)			V _{WM}	I _{DM} @V _{WM}	I _{PPM}	V _C @I _{PPM}	α V _(BR)
		V		@I _T					
Unidirectional	Bidirectional	Min	Max	mA	V	mA	A	V	%/°C
BZW04P44	BZW04P44B	48.5	56.1	1.0	43.6	1.0	5.7	70.1	0.102
BZW04-44	BZW04-44B	48.5	53.6	1.0	43.6	1.0	5.7	70.1	0.102
BZW04P48	BZW04P48B	53.2	61.6	1.0	47.8	1.0	5.2	77	0.103
BZW04-48	BZW04-48B	53.2	58.8	1.0	47.8	1.0	5.2	77	0.103
BZW04P53	BZW04P53B	58.9	68.2	1.0	53.0	1.0	4.7	85	0.104
BZW04-53	BZW04-53B	58.9	65.1	1.0	53.0	1.0	4.7	85	0.104
BZW04P58	BZW04P58B	64.6	74.8	1.0	58.1	1.0	4.3	92	0.104
BZW04-58	BZW04-58B	64.6	71.4	1.0	58.1	1.0	4.3	92	0.104
BZW04P64	BZW04P64B	71.3	82.5	1.0	64.1	1.0	3.9	103	0.105
BZW04-64	BZW04-64B	71.3	78.8	1.0	64.1	1.0	3.9	103	0.105
BZW04P70	BZW04P70B	77.9	90.2	1.0	70.1	1.0	3.5	113	0.105
BZW04-70	BZW04-70B	77.9	86.1	1.0	70.1	1.0	3.5	113	0.105
BZW04P78	BZW04P78B	86.5	100.0	1.0	78.0	1.0	3.2	125	0.105
BZW04-78	BZW04-78B	86.5	95.5	1.0	78.0	1.0	3.2	125	0.105
BZW04P85	BZW04P85B	95	110	1.0	85.5	1.0	2.9	137	0.106
BZW04-85	BZW04-85B	95	105	1.0	85.5	1.0	2.9	137	0.106
BZW04P94	BZW04P94B	105	121	1.0	94.0	1.0	2.6	152	0.107
BZW04-94	BZW04-94B	105	116	1.0	94.0	1.0	2.6	152	0.107
BZW04P102	BZW04P102B	114	132	1.0	102	1.0	2.4	165	0.107
BZW04-102	BZW04-102B	114	126	1.0	102	1.0	2.4	165	0.107
BZW04P110	BZW04P110B	124	143	1.0	111	1.0	2.2	179	0.107
BZW04-110	BZW04-110B	124	137	1.0	111	1.0	2.2	179	0.107
BZW04P128	BZW04P128B	143	165	1.0	128	1.0	2.0	207	0.108
BZW04-128	BZW04-128B	143	158	1.0	128	1.0	2.0	207	0.108
BZW04P136	BZW04P136B	152	176	1.0	136	1.0	1.8	219	0.108
BZW04-136	BZW04-136B	152	168	1.0	136	1.0	1.8	219	0.108
BZW04P145	BZW04P145B	161	187	1.0	145	1.0	1.7	234	0.108
BZW04-145	BZW04-145B	161	179	1.0	145	1.0	1.7	234	0.108
BZW04P154	BZW04P154B	171	198	1.0	154	1.0	1.6	246	0.108
BZW04-154	BZW04-154B	171	189	1.0	154	1.0	1.6	246	0.108
BZW04P171	BZW04P171B	190	220	1.0	171	1.0	1.5	274	0.108
BZW04-171	BZW04-171B	190	210	1.0	171	1.0	1.5	274	0.108
BZW04P188	BZW04P188B	209	242	1.0	188	1.0	1.4	301	0.108
BZW04-188	BZW04-188B	209	231	1.0	188	1.0	1.4	301	0.108
BZW04P213	BZW04P213B	237	275	1.0	213	1.0	1.5	344	0.110
BZW04-213	BZW04-213B	237	263	1.0	213	1.0	1.5	344	0.110
BZW04P239	BZW04P239B	266	308	1.0	239	1.0	1.5	384	0.110
BZW04-239	BZW04-239B	266	294	1.0	239	1.0	1.5	384	0.110
BZW04P256	BZW04P256B	285	330	1.0	256	1.0	1.2	414	0.110
BZW04-256	BZW04-256B	285	315	1.0	256	1.0	1.2	414	0.110
BZW04P273	BZW04P273B	304	352	1.0	273	1.0	1.2	438	0.110
BZW04-273	BZW04-273B	304	336	1.0	273	1.0	1.2	438	0.110

**Transient voltage suppressor**

Device Type		V(BR)			V _{WM}	I _{DM}	I _{PPM}	V _C	α V _(BR)
		V		@I _T		@V _{WM}		@I _{PPM}	
Unidirectional	Bidirectional	Min	Max	mA	V	mA	A	V	%/°C
BZW04P299	BZW04P299B	332	385	1.0	299	1.0	0.9	482	0.110
BZW04-299	BZW04-299B	332	368	1.0	299	1.0	0.9	482	0.110
BZW04P342	BZW04P342B	380	440	1.0	342	1.0	0.9	548	0.110
BZW04-342	BZW04-342B	380	420	1.0	342	1.0	0.9	548	0.110
BZW04P376	BZW04P376B	418	484	1.0	376	1.0	0.8	603	0.110
BZW04-376	BZW04-376B	418	462	1.0	376	1.0	0.8	603	0.110

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	1500W
Breakdown Voltage	6.8---440V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use C or CA suffix for types 1N6267 or 1N6303 (e.g.1N6267C or 1N6303CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 1500	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	5.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	200	A
Maximum instantaneous forward voltage at 100A for unidirectional only (NOTE)	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-201AE		

NOTE: $V_F=3.5\text{V}(\text{max})$,for devices of $V_{BR}\leq 200\text{V}$,and
 $V_F=5.0\text{V}(\text{max})$,for devices of $V_{BR}>200\text{V}$



DO-201AE

Transient voltage suppressor

Device Type	V _(BR)		I _T	V _{WM}	I _D @V _{WM}	I _{PPM}	V _C @I _{PPM}	αV _(BR)
	V							
	MIN	MAX							m A	V	μ A	A	V	%/°C
1N6267	6.12	7.48	10	5.50	1000	139	10.8	0.057
1N6267A	6.45	7.14	10	5.80	1000	143	10.5	0.057
1N6268	6.75	8.25	10	6.05	500	128	11.7	0.061
1N6268A	7.13	7.88	10	6.40	500	133	11.3	0.061
1N6269	7.38	9.02	10	6.63	200	120	12.5	0.065
1N6269A	7.79	8.61	10	7.02	200	124	12.1	0.065
1N6270	8.19	10.0	1.0	7.37	50	109	13.8	0.068
1N6270A	8.65	9.55	1.0	7.78	50	112	13.4	0.068
1N6271	9.0	11.0	1.0	8.10	10	100	15.0	0.073
1N6271A	9.5	10.5	1.0	8.55	10	103	14.5	0.073
1N6272	9.9	12.1	1.0	8.92	5.0	92.6	16.2	0.075
1N6272A	10.5	11.6	1.0	9.40	5.0	96.2	15.6	0.075
1N6273	10.8	13.2	1.0	9.72	5.0	86.7	17.3	0.078
1N6273A	11.4	12.6	1.0	10.2	5.0	89.8	16.7	0.078
1N6274	11.7	14.3	1.0	10.5	5.0	78.9	19.0	0.081
1N6274A	12.4	13.7	1.0	11.1	5.0	82.4	18.2	0.081
1N6275	13.5	16.5	1.0	12.1	5.0	68.2	22.0	0.084
1N6275A	14.3	15.8	1.0	12.8	5.0	70.8	21.2	0.084
1N6276	14.4	17.6	1.0	12.9	5.0	63.8	23.5	0.086
1N6276A	15.2	16.8	1.0	13.6	5.0	66.7	22.5	0.086
1N6277	16.2	19.8	1.0	14.5	5.0	56.6	26.5	0.088
1N6277A	17.1	18.9	1.0	15.3	5.0	59.5	25.2	0.089
1N6278	18.0	22.0	1.0	16.2	5.0	51.5	29.1	0.090
1N6278A	19.0	21.0	1.0	17.1	5.0	54.2	27.7	0.090
1N6279	19.8	24.2	1.0	17.8	5.0	47.0	31.9	0.092
1N6279A	20.9	23.1	1.0	18.8	5.0	49.0	30.6	0.092
1N6280	21.6	26.4	1.0	19.4	5.0	43.2	34.7	0.094
1N6280A	22.8	25.2	1.0	20.5	5.0	45.2	33.2	0.094
1N6281	24.3	29.7	1.0	21.8	5.0	38.4	39.1	0.096
1N6281A	25.7	28.4	1.0	23.1	5.0	40.0	37.5	0.096
1N6282	27.0	33.0	1.0	24.3	5.0	34.5	43.5	0.097
1N6282A	28.5	31.5	1.0	25.6	5.0	36.2	41.4	0.097
1N6283	29.7	36.3	1.0	26.8	5.0	31.4	47.7	0.098
1N6283A	31.4	34.7	1.0	28.2	5.0	32.8	45.7	0.098
1N6284	32.4	39.6	1.0	29.1	5.0	28.8	52.0	0.099
1N6284A	34.2	37.8	1.0	30.8	5.0	30.1	49.9	0.099
1N6285	35.1	42.9	1.0	31.6	5.0	26.6	56.4	0.100
1N6285A	37.1	41.0	1.0	33.3	5.0	27.8	53.9	0.100
1N6286	38.7	47.3	1.0	34.8	5.0	24.2	61.9	0.101
1N6286A	40.9	45.2	1.0	36.8	5.0	25.3	59.3	0.101
1N6287	42.3	51.7	1.0	38.1	5.0	22.1	67.8	0.101
1N6287A	44.7	49.4	1.0	40.2	5.0	23.1	64.8	0.101

Transient voltage suppressor

Device Type	V _(BR)		I _T	V _{WM}	I _D @V _{WM}	I _{PPM}	V _C @I _{PPM}	(m V/°C)
	V							V _(BR)
	MIN	MAX	m A	V	μ A	A	V	%/°C
1N6288	45.9	56.1	1.0	41.3	5.0	20.4	73.5	0.102
1N6288A	48.5	53.6	1.0	43.6	5.0	21.4	70.1	0.102
1N6289	50.4	61.8	1.0	45.4	5.0	18.6	80.5	0.103
1N6289A	53.2	58.8	1.0	47.8	5.0	19.5	77	0.103
1N6290	55.8	68.2	1.0	50.2	5.0	16.9	89	0.104
1N6290A	58.9	65.1	1.0	53.0	5.0	17.6	85	0.104
1N6291	61.2	74.8	1.0	55.1	5.0	15.3	98	0.104
1N6291A	64.6	71.4	1.0	58.1	5.0	16.3	92	0.104
1N6292	67.5	82.5	1.0	60.7	5.0	13.9	108	0.105
1N6292A	71.3	78.8	1.0	64.1	5.0	14.6	103	0.105
1N6293	73.8	90.2	1.0	66.4	5.0	12.7	118	0.105
1N6293A	77.9	86.1	1.0	70.1	5.0	13.3	113	0.105
1N6294	81.9	100	1.0	73.7	5.0	11.5	131	0.106
1N6294A	86.5	95.5	1.0	77.8	5.0	12.0	125	0.106
1N6295	90.0	110	1.0	81.0	5.0	10.4	144	0.106
1N6295A	95.0	105	1.0	85.5	5.0	10.9	137	0.106
1N6296	99.0	121	1.0	89.2	5.0	9.5	158	0.107
1N6296A	105	116	1.0	94.0	5.0	9.9	152	0.107
1N6297	108	132	1.0	97.2	5.0	8.7	173	0.107
1N6297A	114	126	1.0	102	5.0	9.1	165	0.107
1N6298	117	143	1.0	105	5.0	8.0	187	0.107
1N6298A	124	137	1.0	111	5.0	8.4	179	0.107
1N6299	136	165	1.0	121	5.0	7.0	215	0.108
1N6299A	143	158	1.0	128	5.0	7.2	207	0.108
1N6300	144	176	1.0	130	5.0	6.5	230	0.108
1N6300A	152	168	1.0	136	5.0	6.8	219	0.108
1N6301	153	187	1.0	138	5.0	6.1	244	0.108
1N6301A	162	179	1.0	145	5.0	6.4	234	0.108
1N6302	162	198	1.0	146	5.0	5.8	258	0.108
1N6302A	171	189	1.0	154	5.0	6.1	246	0.108
1N6303	180	220	1.0	162	5.0	5.2	287	0.108
1N6303A	190	210	1.0	171	5.0	5.5	274	0.108

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	600W
Breakdown Voltage	5.8---376V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "B" (e.g.BZW06-5V8B)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 600	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	1.7	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	100	A
Maximum instantaneous forward voltage at 50A for unidirectional only (NOTE)	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-15		

NOTE: $V_F=3.5\text{V}(\text{max})$,for devices of $V_{BR}\leq 200\text{V}$,and
 $V_F=5.0\text{V}(\text{max})$,for devices of $V_{BR}>200\text{V}$



DO-15



Transient voltage suppressor

Device Type		$I_D @ V_{MW}$ (max)		$V_{(BR)} @ I_T$ (min)		$V_C @ I_{PP}$ (max) 10/1000 μs		$V_C @ I_{PP}$ (max) 8/20 μs		Max. Temp. Coefficient of $V_{(BR)}$	Typical Capacitance C
Unidirectional	Bidirectional	μA	V	V	mA	V	A	V	A	%/C	pF
BZW06-5V8	BZW06-5V8B	1000	5.8	6.45	10	10.5	57	13.4	298	0.057	4000
BZW06-6V4	BZW06-6V4B	500	6.4	7.13	10	11.3	53	14.5	276	0.061	3700
BZW06-8V5	BZW06-8V5B	10	8.5	9.50	1.0	14.5	41	18.6	215	0.073	2800
BZW06-10	BZW06-10B	5.0	10.2	11.4	1.0	16.7	36	21.7	184	0.078	2300
BZW06-13	BZW06-13B	5.0	12.8	14.3	1.0	21.2	28	27.2	147	0.084	1900
BZW06-15	BZW06-15B	1.0	15.3	17.1	1.0	25.2	24	32.5	123	0.088	1600
BZW06-19	BZW06-19B	1.0	18.8	20.9	1.0	30.6	20	39.3	102	0.092	1350
BZW06-20	BZW06-20B	1.0	20.5	22.8	1.0	33.2	18	42.8	93	0.094	1250
BZW06-23	BZW06-23B	1.0	23.1	25.7	1.0	37.5	16	48.3	83	0.096	1150
BZW06-26	BZW06-26B	1.0	25.6	28.5	1.0	41.5	14.5	53.5	75	0.097	1075
BZW06-28	BZW06-28B	1.0	28.2	31.4	1.0	45.7	13.1	59.0	68	0.098	1000
BZW06-31	BZW06-31B	1.0	30.8	34.2	1.0	49.9	12.0	64.3	62	0.099	950
BZW06-33	BZW06-33B	1.0	33.3	37.1	1.0	53.9	11.1	69.7	57	0.100	900
BZW06-40	BZW06-40B	1.0	40.2	44.7	1.0	64.8	9.3	84.0	48	0.101	800
BZW06-48	BZW06-48B	1.0	47.8	53.2	1.0	77	6.5	100	40	0.103	700
BZW06-58	BZW06-58B	1.0	58.1	64.6	1.0	92	5.4	121	33	0.104	625
BZW06-70	BZW06-70B	1.0	70.1	77.9	1.0	113	4.4	146	27	0.105	550
BZW06-85	BZW06-85B	1.0	85.5	95	1.0	137	3.6	178	22.5	0.106	500
BZW06-102	BZW06-102B	1.0	102	114	1.0	165	3.0	212	19.0	0.107	450
BZW06-128	BZW06-128B	1.0	128	143	1.0	207	2.4	265	15.0	0.108	400
BZW06-154	BZW06-154B	1.0	154	171	1.0	246	2.0	317	12.6	0.108	360
BZW06-171	BZW06-171B	1.0	171	190	1.0	274	1.8	353	11.3	0.108	350
BZW06-181	BZW06-181B	1.0	188	209	1.0	328	1.5	388	10.3	0.108	330
BZW06-213	BZW06-213B	1.0	213	237	1.0	344	1.7	442	9.0	0.110	310
BZW06-256	BZW06-256B	1.0	256	285	1.0	414	1.4	529	7.6	0.110	290
BZW06-273	BZW06-273B	1.0	273	304	1.0	438	1.4	564	7.1	0.110	280
BZW06-299	BZW06-299B	1.0	299	332	1.0	482	1.2	618	6.5	0.110	270
BZW06-342	BZW06-342B	1.0	342	380	1.0	548	1.1	706	5.7	0.110	360
BZW06-376	BZW06-376B	1.0	376	418	1.0	603	1.0	776	5.7	0.100	350

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	500W
Breakdown Voltage	5.0---170V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" or "CA" (e.g. SAC5.0 or SAC5.0A)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 500	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths, 9.5mm	$P_{M(AV)}$	3.0	W
Peak forward surge current, 8.3ms single half sine-waves superimposed on rated load unidirectional only	I_{FSM}	70	A
Maximum instantaneous forward voltage at 35A for unidirectional only (NOTE)	V_F	3.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	DO-15		

NOTE: $V_F=3.5\text{V}(\text{max})$, for devices of $V_{BR} \leq 200\text{V}$, and
 $V_F=5.0\text{V}(\text{max})$, for devices of $V_{BR} > 200\text{V}$



DO-15



Transient voltage suppressor

Device Type	$V_{(BR)}$ V		I_T	V_{WM}	$I_D@V_{WM}$	I_{PPM}	$V_C@I_{PPM}$	$\alpha V_{(BR)}$
	Min	Max	m A	V	μ A	A	V	m V/°C
SA5.0	6.40	7.30	10	5.0	600	52.1	9.6	5.0
SA5.0A	6.40	7.00	10	5.0	600	54.3	9.2	5.0
SA6.0	6.67	8.15	10	6.0	600	43.9	11.4	5.0
SA6.0A	6.67	7.37	10	6.0	600	48.5	10.3	5.0
SA6.5	7.22	8.82	10	6.5	400	40.7	12.3	5.0
SA6.5A	7.22	7.98	10	6.5	400	44.7	11.2	5.0
SA7.0	7.78	9.51	10	7.0	150	37.6	13.3	6.0
SA7.0A	7.78	8.60	10	7.0	150	41.7	12.0	6.0
SA7.5	8.33	10.2	1.0	7.5	50	35.0	14.3	7.0
SA7.5A	8.33	9.21	1.0	7.5	50	38.8	12.9	7.0
SA8.0	8.89	10.9	1.0	8.0	25	33.3	15.0	7.0
SA8.0A	8.89	9.83	1.0	8.0	25	36.8	13.6	7.0
SA8.5	9.44	11.5	1.0	8.5	10	31.4	15.9	8.0
SA8.5A	9.44	10.4	1.0	8.5	10	34.7	14.4	8.0
SA9.0	10.0	12.2	1.0	9.0	5.0	29.6	16.9	9.0
SA9.0A	10.0	11.1	1.0	9.0	5.0	32.5	15.4	9.0
SA10	11.1	13.6	1.0	10	1.0	26.6	18.8	10
SA10A	11.1	12.3	1.0	10	1.0	29.4	17.0	10
SA11	12.2	14.9	1.0	11	1.0	24.9	20.1	11
SA11A	12.2	13.5	1.0	11	1.0	27.5	18.2	11
SA12	13.3	16.3	1.0	12	1.0	22.7	22.0	12
SA12A	13.3	14.7	1.0	12	1.0	25.1	19.9	12
SA13	14.4	17.6	1.0	13	1.0	21.0	23.8	13
SA13A	14.4	15.9	1.0	13	1.0	23.3	21.5	13
SA14	15.6	19.1	1.0	14	1.0	19.4	25.8	14
SA14A	15.6	17.2	1.0	14	1.0	21.6	23.2	14
SA15	16.7	20.4	1.0	15	1.0	18.6	26.9	16
SA15A	16.7	18.5	1.0	15	1.0	20.5	24.4	16
SA16	17.8	21.8	1.0	16	1.0	17.4	28.8	19
SA16A	17.8	19.7	1.0	16	1.0	19.2	26.0	17
SA17	18.9	23.1	1.0	17	1.0	16.4	30.5	20
SA17A	18.9	20.9	1.0	17	1.0	18.1	27.6	19
SA18	20.0	24.4	1.0	18	1.0	15.5	32.2	21
SA18A	20.0	22.1	1.0	18	1.0	17.1	29.2	20
SA20	22.2	27.1	1.0	20	1.0	14.0	35.8	25
SA20A	22.2	24.5	1.0	20	1.0	15.4	32.4	23
SA22A	24.4	29.8	1.0	22	1.0	22.7	39.4	28
SA22A	24.4	26.9	1.0	22	1.0	14.1	35.5	25
SA24	26.7	32.6	1.0	24	1.0	11.6	43.0	31
SA24A	26.7	29.5	1.0	24	1.0	12.9	38.9	28
SA26	28.9	35.3	1.0	26	1.0	10.7	46.6	31
SA26A	28.9	31.9	1.0	26	1.0	11.9	42.1	30



Transient voltage suppressor

Device Type	$V_{(BR)}$ V		I_T	V_{WM}	$I_D@V_{WM}$	I_{PPM}	$V_C@I_{PPM}$	$\alpha V_{(BR)}$
	Min	Max	m A	V	μ A	A	V	m V/°C
SA28	31.1	38.0	1.0	28	1.0	10.0	50.1	35
SA28A	31.1	34.4	1.0	28	1.0	11.0	45.4	31
SA30	33.3	40.7	1.0	30	1.0	9.3	53.5	39
SA30A	33.3	36.8	1.0	30	1.0	10.0	48.4	36
SA33	36.7	44.9	1.0	33	1.0	8.5	59.0	42
SA33A	36.7	40.6	1.0	33	1.0	9.4	53.3	39
SA36	40.0	48.9	1.0	36	1.0	7.8	64.3	46
SA36A	40.0	44.2	1.0	36	1.0	8.6	58.1	41
SA40	44.4	54.3	1.0	40	1.0	7.0	71.4	51
SA40A	44.4	49.1	1.0	40	1.0	7.8	64.5	46
SA43	47.8	58.4	1.0	43	1.0	6.5	76.7	55
SA43A	47.8	52.8	1.0	43	1.0	7.2	69.4	50
SA45	50.0	61.1	1.0	45	1.0	6.2	80.3	58
SA45A	50.0	55.3	1.0	45	1.0	6.9	72.7	52
SA48	53.3	65.2	1.0	48	1.0	5.8	85.5	63
SA48A	53.3	58.9	1.0	48	1.0	6.5	77.4	56
SA51	56.7	69.3	1.0	51	1.0	5.5	91.1	66
SA51A	56.7	62.7	1.0	51	1.0	6.1	82.4	61
SA54	60.0	73.3	1.0	54	1.0	5.2	96.3	71
SA54A	60.0	66.3	1.0	54	1.0	5.7	87.1	65
SA58	64.4	78.7	1.0	58	1.0	4.9	103	78
SA58A	64.4	71.2	1.0	58	1.0	5.3	93.6	70
SA60	66.7	81.5	1.0	60	1.0	4.7	107	80
SA60A	66.7	73.7	1.0	60	1.0	5.2	96.8	71
SA64	71.1	86.9	1.0	64	1.0	4.4	114	86
SA64A	71.1	78.6	1.0	64	1.0	4.9	103	76
SA70	77.8	95.1	1.0	70	1.0	4.0	125	94
SA70A	77.8	86.0	1.0	70	1.0	4.4	113	85
SA75	83.3	102	1.0	75	1.0	3.7	134	101
SA75A	83.3	92.1	1.0	75	1.0	4.1	121	91
SA78	86.7	106	1.0	78	1.0	3.6	139	105
SA78A	86.7	95.8	1.0	78	1.0	4.0	126	95
SA85	94.4	115	1.0	85	1.0	3.3	151	114
SA85A	94.4	104	1.0	85	1.0	3.6	137	103
SA90	100	122	1.0	90	1.0	3.1	160	121
SA90A	100	111	1.0	90	1.0	3.4	146	110
SA100	111	136	1.0	100	1.0	2.8	179	135
SA100A	111	123	1.0	100	1.0	3.1	162	123
SA110	122	149	1.0	110	1.0	2.6	196	148
SA110A	122	135	1.0	110	1.0	2.8	177	133
SA120	133	163	1.0	120	1.0	2.3	214	162
SA120A	133	147	1.0	120	1.0	2.6	193	146

Transient voltage suppressor

Device Type	$V_{(BR)}$ V		I_T	V_{WM}	$I_D@V_{WM}$	I_{PPM}	$V_C@I_{PPM}$	$\alpha V_{(BR)}$
	Min	Max	m A	V	μ A	A	V	m V/°C
SA130	144	176	1.0	130	1.0	2.2	230	175
SA130A	144	159	1.0	130	1.0	2.4	209	158
SA150	167	204	1.0	150	1.0	1.9	268	203
SA150A	167	185	1.0	150	1.0	2.1	243	184
SA160	178	218	1.0	160	1.0	1.7	257	217
SA160A	178	197	1.0	160	1.0	1.9	259	196
SA170	189	231	1.0	170	1.0	1.6	304	230
SA170A	189	209	1.0	170	1.0	1.8	275	208

**TRANSIENT VOLTAGE SUPPRESSOR**

Peak Pulse Power	400W
Breakdown Voltage	5.0---188V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" or "CA" (e.g.SMAJ10C or SMAJ10CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 400	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$	$P_{M(AV)}$	1.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	40	A
Maximum instantaneous forward voltage at 25A	V_F	3.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+150	$^{\circ}\text{C}$
Case style	SMA		



SMA



Transient voltage suppressor

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		@ I_T		@ V_{WM}		@ I_{PPM}
	UNI	BI	Min	Max	mA	V	μA	A	V
SMAJ5.0	AD	WD	6.40	7.81	10	5.0	800	41.7	9.6
SMAJ5.0A	AE	WE	6.40	7.08	10	5.0	800	43.5	9.2
SMAJ6.0	AF	WF	6.67	8.15	10	6.0	800	35.1	11.4
SMAJ6.0A	AG	WG	6.67	7.37	10	6.0	800	38.8	10.3
SMAJ6.5	AH	WH	7.22	8.82	10	6.5	500	32.5	12.3
SMAJ6.5A	AK	WK	7.22	7.98	10	6.5	500	35.7	11.2
SMAJ7.0	AL	WL	7.78	9.51	10	7.0	200	30.1	13.3
SMAJ7.0A	AM	WM	7.78	8.60	10	7.0	200	33.3	12.0
SMAJ7.5	AN	WN	8.33	10.3	1.0	7.5	100	28.0	14.3
SMAJ7.5A	AP	WP	8.33	9.21	1.0	7.5	100	31.0	12.9
SMAJ8.0	AQ	WQ	8.89	10.9	1.0	8.0	50	26.7	15.0
SMAJ8.0A	AR	WR	8.89	9.83	1.0	8.0	50	29.4	13.6
SMAJ8.5	AS	WS	9.44	11.5	1.0	8.5	10	25.2	15.9
SMAJ8.5A	AT	WT	9.44	10.4	1.0	8.5	10	27.8	14.4
SMAJ9.0	AU	WU	10.0	12.2	1.0	9.0	5.0	23.7	16.9
SMAJ9.0A	AV	WV	10.0	11.1	1.0	9.0	5.0	26.0	15.4
SMAJ10	AW	WW	11.1	13.6	1.0	10	5.0	21.3	18.8
SMAJ10A	AX	WX	11.1	12.3	1.0	10	5.0	23.5	17.0
SMAJ11	AY	WY	12.2	14.9	1.0	11	5.0	19.9	20.1
SMAJ11A	AZ	WZ	12.2	13.5	1.0	11	5.0	22.0	18.2
SMAJ12	BD	XD	13.3	16.3	1.0	12	5.0	18.2	22.0
SMAJ12A	BE	XE	13.3	14.7	1.0	12	5.0	20.1	19.9
SMAJ13	BF	XF	14.4	17.6	1.0	13	5.0	16.8	23.8
SMAJ13A	BG	XG	14.4	15.9	1.0	13	5.0	18.6	21.5
SMAJ14	BH	XH	15.6	19.1	1.0	14	5.0	15.5	25.8
SMAJ14A	BK	XK	15.6	17.2	1.0	14	5.0	17.2	23.2
SMAJ15	BL	XL	16.7	20.4	1.0	15	5.0	14.9	26.9
SMAJ15A	BM	XM	16.7	18.5	1.0	15	5.0	16.4	24.4
SMAJ16	BN	XN	17.8	21.8	1.0	16	5.0	13.9	28.8
SMAJ16A	BP	XP	17.8	19.7	1.0	16	5.0	15.4	26.0
SMAJ17	BQ	XQ	18.9	23.1	1.0	17	5.0	13.1	30.5
SMAJ17A	BR	XR	18.9	20.9	1.0	17	5.0	14.5	27.6
SMAJ18	BS	XS	20.0	24.4	1.0	18	5.0	12.4	32.2
SMAJ18A	BT	XT	20.0	22.1	1.0	18	5.0	13.7	29.2
SMAJ20	BU	XU	22.2	27.1	1.0	20	5.0	11.2	35.8
SMAJ20A	BV	XV	22.2	24.5	1.0	20	5.0	12.3	32.4
SMAJ22	BW	XW	24.4	29.8	1.0	22	5.0	10.2	39.4
SMAJ22A	BX	XX	24.4	26.9	1.0	22	5.0	11.3	35.5
SMAJ24	BY	XY	26.7	32.6	1.0	24	5.0	9.3	43.0
SMAJ24A	BZ	XZ	26.7	29.5	1.0	24	5.0	10.3	38.9
SMAJ26	CD	YD	28.9	35.3	1.0	26	5.0	8.6	46.6
SMAJ26A	CE	YE	28.9	31.9	1.0	26	5.0	9.5	42.1



Transient voltage suppressor

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		@ I_T		@ V_{WM}		@ I_{PPM}
	UNI	BI	Min	Max	mA	V	μA	A	V
SMAJ28	CF	YF	31.1	38.0	1.0	28	5.0	8.0	50.0
SMAJ28A	CG	YG	31.1	34.4	1.0	28	5.0	8.8	45.4
SMAJ30	CH	YH	33.3	40.7	1.0	30	5.0	7.5	53.5
SMAJ30A	CK	YK	33.3	36.8	1.0	30	5.0	8.3	48.4
SMAJ33	CL	YL	36.7	44.9	1.0	33	5.0	5.1	59.0
SMAJ33A	CM	YM	36.7	40.6	1.0	33	5.0	5.6	53.3
SMAJ36	CN	YN	40.0	48.9	1.0	36	5.0	4.7	64.3
SMAJ36A	CP	YP	40.0	44.2	1.0	36	5.0	5.2	58.1
SMAJ40	CQ	YQ	44.4	54.3	1.0	40	5.0	4.2	71.4
SMAJ40A	CR	YR	44.4	49.1	1.0	40	5.0	4.7	64.5
SMAJ43	CS	YS	47.8	58.4	1.0	43	5.0	3.9	76.7
SMAJ43A	CT	YT	47.8	52.8	1.0	43	5.0	4.3	69.4
SMAJ45	CU	YU	50.0	61.1	1.0	45	5.0	3.7	80.3
SMAJ45A	CV	YV	50.0	55.3	1.0	45	5.0	4.1	72.7
SMAJ48	CW	YW	53.3	65.1	1.0	48	5.0	3.5	85.5
SMAJ48A	CX	YX	53.3	58.9	1.0	48	5.0	3.9	77.4
SMAJ51	CY	YY	56.7	69.3	1.0	51	5.0	3.3	91.1
SMAJ51A	CZ	YZ	56.7	62.7	1.0	51	5.0	3.6	82.4
SMAJ54	RD	ZD	60.0	73.3	1.0	54	5.0	3.1	96.3
SMAJ54A	RE	ZE	60.0	66.3	1.0	54	5.0	3.4	87.1
SMAJ58	RF	ZF	64.4	78.7	1.0	58	5.0	2.9	103
SMAJ58A	RG	ZG	64.4	71.2	1.0	58	5.0	3.2	93.6
SMAJ60	RH	ZH	66.7	81.5	1.0	60	5.0	2.8	107
SMAJ60A	RK	ZK	66.7	73.7	1.0	60	5.0	3.1	96.8
SMAJ64	RL	ZL	71.1	86.9	1.0	64	5.0	2.6	114
SMAJ64A	RM	ZM	71.1	78.6	1.0	64	5.0	2.9	103
SMAJ70	RN	ZN	77.8	95.1	1.0	70	5.0	2.4	125
SMAJ70A	RP	ZP	77.8	86.0	1.0	70	5.0	2.7	113
SMAJ75	RQ	ZQ	83.3	102	1.0	75	5.0	2.2	134
SMAJ75A	RR	ZR	83.3	92.1	1.0	75	5.0	2.5	121
SMAJ78	RS	ZS	86.7	106	1.0	78	5.0	2.2	139
SMAJ78A	RT	ZT	86.7	95.8	1.0	78	5.0	2.4	126
SMAJ85	RU	ZU	94.4	115	1.0	85	5.0	2.0	151
SMAJ85A	RV	ZV	94.4	104	1.0	85	5.0	2.2	137
SMAJ90	RW	ZW	100	122	1.0	90	5.0	1.9	160
SMAJ90A	RX	ZX	100	111	1.0	90	5.0	2.1	146
SMAJ100	RY	ZY	111	136	1.0	100	5.0	1.7	179
SMAJ100A	RZ	ZZ	111	123	1.0	100	5.0	1.9	162
SMAJ110	SD	VD	122	149	1.0	110	5.0	1.5	196
SMAJ110A	SE	VE	122	135	1.0	110	5.0	1.7	177
SMAJ120	SF	VF	133	163	1.0	120	5.0	1.4	214
SMAJ120A	SG	VG	133	147	1.0	120	5.0	1.6	193

**Transient voltage suppressor**

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		@ I_T		@ V_{WM}		@ I_{PPM}
	UNI	BI	Min	Max	mA	V	μA	A	V
SMAJ130	SH	VH	144	176	1.0	130	5.0	1.3	231
SMAJ130A	SK	VK	144	159	1.0	130	5.0	1.4	209
SMAJ150	SL	VL	167	204	1.0	150	5.0	1.1	268
SMAJ150A	SM	VM	167	185	1.0	150	5.0	1.2	243
SMAJ160	SN	VN	178	218	1.0	160	5.0	1.0	287
SMAJ160A	SP	VP	178	197	1.0	160	5.0	1.2	259
SMAJ170	SQ	VQ	189	231	1.0	170	5.0	1.0	304
SMAJ170A	SR	VR	189	209	1.0	170	5.0	1.1	275
SMAJ188	ST	VT	209	255	1.0	188	5.0	0.9	344
SMAJ188A	SS	VS	209	231	1.0	188	5.0	0.9	328

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	600W
Breakdown Voltage	5.0---188V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" or "CA" (e.g.SMBJ10C or SMBJ10CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 600	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$	$P_{M(AV)}$	5.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	100	A
Maximum instantaneous forward voltage at 50A for unidirectional only (NOTE)	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+150	$^{\circ}\text{C}$
Case style	SMB		

(NOTE) $V_F=3.5\text{V}$ on SMB5.0 thru SMB90 devices and $V_F=5.0\text{V}$ on SMB100 thru SMB188 devices.



SMB

Transient voltage suppressor

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		$@I_T$		$@V_{WM}$		$@I_{PPM}$
	UNI	BI	Min	Max	mA	V	μA	A	V
SMBJ5.0	KD	KD	6.40	7.82	10	5.0	800	62.5	9.6
SMBJ5.0A	KE	KE	6.40	7.07	10	5.0	800	65.2	9.2
SMBJ6.0	KF	KF	6.67	8.15	10	6.0	800	52.6	11.4
SMBJ6.0A	KG	KG	6.67	7.37	10	6.0	800	58.3	10.3
SMBJ6.5	KH	AH	7.22	8.82	10	6.5	500	48.8	12.3
SMBJ6.5A	KK	AK	7.22	7.98	10	6.5	500	53.6	11.2
SMBJ7.0	KL	KL	7.78	9.51	10	7.0	200	45.1	13.3
SMBJ7.0A	KM	KM	7.78	8.60	10	7.0	200	50.0	12.0
SMBJ7.5	KN	AN	8.33	10.2	1.0	7.5	100	42.0	14.3
SMBJ7.5A	KP	AP	8.33	9.21	1.0	7.5	100	46.5	12.9
SMBJ8.0	KQ	AQ	8.89	10.9	1.0	8.0	50	40.0	15.0
SMBJ8.0A	KR	AR	8.89	9.83	1.0	8.0	50	44.1	13.6
SMBJ8.5	KS	AS	9.44	11.5	1.0	8.5	20	37.7	15.9
SMBJ8.5A	KT	AT	9.44	10.4	1.0	8.5	20	41.7	14.4
SMBJ9.0	KU	AU	10.0	12.2	1.0	9.0	10	35.5	16.9
SMBJ9.0A	KV	AV	10.0	11.1	1.0	9.0	10	39.0	15.4
SMBJ10	KW	AW	11.1	13.6	1.0	10	5.0	31.9	18.8
SMBJ10A	KX	AX	11.1	12.3	1.0	10	5.0	35.3	17.0
SMBJ11	KY	KY	12.2	14.9	1.0	11	5.0	29.9	20.1
SMBJ11A	KZ	KZ	12.2	13.5	1.0	11	5.0	33.0	18.2
SMBJ12	LD	BD	13.3	16.3	1.0	12	5.0	27.3	22.0
SMBJ12A	LE	BE	13.3	14.7	1.0	12	5.0	30.2	19.9
SMBJ13	LF	LF	14.4	17.6	1.0	13	5.0	25.2	23.8
SMBJ13A	LG	LG	14.4	15.9	1.0	13	5.0	27.9	21.5
SMBJ14	LH	BH	15.6	19.1	1.0	14	5.0	23.3	25.8
SMBJ14A	LK	BK	15.6	17.2	1.0	14	5.0	25.9	23.2
SMBJ15	LL	BL	16.7	20.4	1.0	15	5.0	22.3	26.9
SMBJ15A	LM	BM	16.7	18.5	1.0	15	5.0	24.6	24.4
SMBJ16	LN	LN	17.8	21.8	1.0	16	5.0	20.8	28.8
SMBJ16A	LP	LP	17.8	19.7	1.0	16	5.0	23.1	26.0
SMBJ17	LQ	LQ	18.9	23.1	1.0	17	5.0	19.7	30.5
SMBJ17A	LR	LR	18.9	20.9	1.0	17	5.0	21.7	27.6
SMBJ18	LS	BS	20.0	24.4	1.0	18	5.0	18.6	32.2
SMBJ18A	LT	BT	20.0	22.1	1.0	18	5.0	20.5	29.2
SMBJ20	LU	LU	22.2	27.1	1.0	20	5.0	16.8	35.8
SMBJ20A	LV	LV	22.2	24.5	1.0	20	5.0	18.5	32.4
SMBJ22	LW	BW	24.4	29.8	1.0	22	5.0	15.2	39.4
SMBJ22A	LX	BX	24.4	26.9	1.0	22	5.0	16.9	35.5
SMBJ24	LY	BY	26.7	32.6	1.0	24	5.0	14.0	43.0
SMBJ24A	LZ	BZ	26.7	29.5	1.0	24	5.0	15.4	38.9
SMBJ26	MD	CD	28.9	35.3	1.0	26	5.0	12.9	46.6
SMBJ26A	ME	CE	28.9	31.9	1.0	26	5.0	14.3	42.1



Transient voltage suppressor

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		@ I_T		@ V_{WM}		@ I_{PPM}
	UNI	BI	Min	Max	mA	V	μA	A	V
SMBJ28	MF	MF	31.1	38.0	1.0	28	5.0	12.0	50.0
SMBJ28A	MG	MG	31.1	34.4	1.0	28	5.0	13.2	45.4
SMBJ30	MH	CH	33.3	40.7	1.0	30	5.0	11.2	53.5
SMBJ30A	MK	CK	33.3	36.8	1.0	30	5.0	12.4	48.4
SMBJ33	ML	CL	36.7	44.9	1.0	33	5.0	10.2	59.0
SMBJ33A	MM	CM	36.7	40.6	1.0	33	5.0	11.3	53.3
SMBJ36	MN	CN	40.0	48.9	1.0	36	5.0	9.3	64.3
SMBJ36A	MP	CP	40.0	44.2	1.0	36	5.0	10.3	58.1
SMBJ40	MQ	CQ	44.4	54.3	1.0	40	5.0	8.4	71.4
SMBJ40A	MR	CR	44.4	49.1	1.0	40	5.0	9.3	64.5
SMBJ43	MS	CS	47.8	58.4	1.0	43	5.0	7.8	76.7
SMBJ43A	MT	CT	47.8	52.8	1.0	43	5.0	8.6	69.4
SMBJ45	MU	MU	50.0	61.1	1.0	45	5.0	7.5	80.3
SMBJ45A	MV	MV	50.0	55.3	1.0	45	5.0	8.3	72.7
SMBJ48	MW	MW	53.3	65.1	1.0	48	5.0	7.0	85.5
SMBJ48A	MX	MX	53.3	58.9	1.0	48	5.0	7.8	77.4
SMBJ51	MY	MY	56.7	69.3	1.0	51	5.0	6.6	91.1
SMBJ51A	MZ	MZ	56.7	62.7	1.0	51	5.0	7.3	82.4
SMBJ54	ND	ND	60.0	73.3	1.0	54	5.0	6.2	96.3
SMBJ54A	NE	NE	60.0	66.3	1.0	54	5.0	6.9	87.1
SMBJ58	NF	NF	64.4	78.7	1.0	58	5.0	5.8	103
SMBJ58A	NG	NG	64.4	71.2	1.0	58	5.0	6.4	93.6
SMBJ60	NH	NH	66.7	81.5	1.0	60	5.0	5.6	107
SMBJ60A	NK	NK	66.7	73.7	1.0	60	5.0	6.2	96.8
SMBJ64	NL	NL	71.1	86.9	1.0	64	5.0	5.3	114
SMBJ64A	NM	NM	71.1	78.6	1.0	64	5.0	5.8	103
SMBJ70	NN	NN	77.8	95.1	1.0	70	5.0	4.8	125
SMBJ70A	NP	NP	77.8	86.0	1.0	70	5.0	5.3	113
SMBJ75	NQ	NQ	83.3	102	1.0	75	5.0	4.5	134
SMBJ75A	NR	NR	83.3	92.1	1.0	75	5.0	5.0	121
SMBJ78	NS	NS	86.7	106	1.0	78	5.0	4.3	139
SMBJ78A	NT	NT	86.7	95.8	1.0	78	5.0	4.8	126
SMBJ85	NU	NU	94.4	115	1.0	85	5.0	4.0	151
SMBJ85A	NU	NV	94.4	104	1.0	85	5.0	4.4	137
SMBJ90	NW	NW	100	122	1.0	90	5.0	3.8	160
SMBJ90A	NX	NX	100	111	1.0	90	5.0	4.1	146
SMBJ100	NY	NY	111	136	1.0	100	5.0	3.4	179
SMBJ100A	NZ	NZ	111	123	1.0	100	5.0	3.7	162
SMBJ110	PD	PD	122	149	1.0	110	5.0	3.1	196
SMBJ110A	PE	PE	122	135	1.0	110	5.0	3.4	177
SMBJ120	PF	PF	133	163	1.0	120	5.0	2.8	214
SMBJ120A	PG	PG	133	147	1.0	120	5.0	3.1	193

**Transient voltage suppressor**

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		$@I_T$		$@V_{WM}$		$@I_{PPM}$
	UNI	BI	Min	Max	mA	V	μA	A	V
SMBJ130	PH	PH	144	176	1.0	130	5.0	2.6	231
SMBJ130A	PK	PK	144	159	1.0	130	5.0	2.9	209
SMBJ150	PL	PL	167	204	1.0	150	5.0	2.2	268
SMBJ150A	PM	PM	167	185	1.0	150	5.0	2.5	243
SMBJ160	PN	PN	178	218	1.0	160	5.0	2.1	287
SMBJ160A	PP	PP	178	197	1.0	160	5.0	2.3	259
SMBJ170	PQ	PQ	189	231	1.0	170	5.0	2.0	304
SMBJ170A	PR	PR	189	209	1.0	170	5.0	2.2	275
SMBJ188	PT	PT	209	255	1.0	188	5.0	1.7	344
SMBJ188A	PS	PS	209	231	1.0	188	5.0	2.0	328

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	1500W
Breakdown Voltage	5.0---188V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" or "CA" (e.g.SMCJ10C or SMCJ10CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 1500	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$	$P_{M(AV)}$	5.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	200	A
Maximum instantaneous forward voltage at 100A for unidirectional only (NOTE)	V_F	3.5/5.0	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+150	$^{\circ}\text{C}$
Case style	SMC		

(NOTE) $V_F=3.5\text{V}$ on SMC5.0 thru SMC90 devices and $V_F=5.0\text{V}$ on SMC100 thru SMC188 devices.



SMC

Transient voltage suppressor

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		$@I_T$		$@V_{WM}$		$@I_{PPM}$
	UNI	BI	Min	Max	mA	V	μA	A	V
SMCJ5.0	GDD	GDD	6.40	7.82	10	5.0	1000	156.3	9.6
SMCJ5.0A	GDE	GDE	6.40	7.07	10	5.0	1000	163.0	9.2
SMCJ6.0	GDF	GDF	6.67	8.15	10	5.0	1000	131.6	11.4
SMCJ6.0A	GDG	GDG	6.67	7.37	10	6.0	1000	145.6	10.3
SMCJ6.5	GDH	BDH	7.22	8.82	10	6.5	500	122.0	12.3
SMCJ6.5A	GDK	BDK	7.22	7.98	10	6.5	500	133.9	11.2
SMCJ7.0	GDL	GDL	7.78	9.51	10	7.0	200	112.8	13.3
SMCJ7.0A	GDM	GDM	7.78	8.60	10	7.0	200	125.0	12.0
SMCJ7.5	GDN	BDN	8.33	10.2	1.0	7.5	100	104.9	14.3
SMCJ7.5A	GDP	BDP	8.33	9.21	1.0	7.5	100	116.3	12.9
SMCJ8.0	GDQ	BDQ	8.89	10.9	1.0	8.0	50	100.0	15.0
SMCJ8.0A	GDR	BDR	8.89	9.83	1.0	8.0	50	110.3	13.6
SMCJ8.5	GDS	BDS	9.44	11.5	1.0	8.5	20	94.3	15.9
SMCJ8.5A	GDT	BDT	9.44	10.4	1.0	8.5	20	104.2	14.4
SMCJ9.0	GDU	BDU	10.0	12.2	1.0	9.0	10	88.8	16.9
SMCJ9.0A	GDV	BDV	10.0	11.1	1.0	9.0	10	97.4	15.4
SMCJ10	GDW	BDW	11.1	13.6	1.0	10	5.0	79.8	18.8
SMCJ10A	GDY	BDY	11.1	12.3	1.0	10	5.0	88.2	17.0
SMCJ11	GDY	GDY	12.2	14.9	1.0	11	5.0	74.6	20.1
SMCJ11A	GDZ	GDZ	12.2	13.5	1.0	11	5.0	82.4	18.2
SMCJ12	GED	BED	13.3	16.3	1.0	12	5.0	68.2	22.0
SMCJ12A	GEE	BEE	13.3	14.7	1.0	12	5.0	75.4	19.9
SMCJ13	GEF	GEF	14.4	17.6	1.0	13	5.0	63.0	23.8
SMCJ13A	GEG	GEG	14.4	15.9	1.0	13	5.0	69.8	21.5
SMCJ14	GEH	BEH	15.6	19.1	1.0	14	5.0	58.1	25.8
SMCJ14A	GEK	BEK	15.6	17.2	1.0	14	5.0	64.7	23.2
SMCJ15	GEL	BEL	16.7	20.4	1.0	15	5.0	55.8	26.9
SMCJ15A	GEM	BEM	16.7	18.5	1.0	15	5.0	61.5	24.4
SMCJ16	GEN	GEN	17.8	21.8	1.0	16	5.0	52.1	28.8
SMCJ16A	GEP	GEP	17.8	19.7	1.0	16	5.0	57.7	26.0
SMCJ17	GEQ	GEQ	18.9	23.1	1.0	17	5.0	49.2	30.5
SMCJ17A	GER	GER	18.9	20.9	1.0	17	5.0	54.3	27.6
SMCJ18	GES	BES	20.0	24.4	1.0	18	5.0	46.6	32.2
SMCJ18A	GET	BET	20.0	22.1	1.0	18	5.0	51.4	29.2
SMCJ20	GEU	BEU	22.2	27.1	1.0	20	5.0	41.9	35.8
SMCJ20A	GEV	BEV	22.2	24.5	1.0	20	5.0	46.3	32.4
SMCJ22	GEW	BEW	24.4	29.8	1.0	22	5.0	38.1	39.4
SMCJ22A	GEX	BEX	24.4	26.9	1.0	22	5.0	42.3	35.5
SMCJ24	GEY	BEY	26.7	32.6	1.0	24	5.0	34.9	43.0
SMCJ24A	GEZ	BEZ	26.7	29.5	1.0	24	5.0	38.6	38.9
SMCJ26	GFD	BFD	28.9	35.3	1.0	26	5.0	32.2	46.6
SMCJ26A	GFE	BFE	28.9	31.9	1.0	26	5.0	35.6	42.1



Transient voltage suppressor

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		$@I_T$		$@V_{WM}$		$@I_{PPM}$
	UNI	BI	Min	Max	mA	V	μA	A	V
SMCJ28	GFF	BFF	31.1	38.0	1.0	28	5.0	30.0	50.0
SMCJ28A	GFG	BFG	31.1	34.4	1.0	28	5.0	33.0	45.4
SMCJ30	GFH	BFH	33.3	40.7	1.0	30	5.0	28.0	53.5
SMCJ30A	GFK	BFK	33.3	36.8	1.0	30	5.0	31.0	48.4
SMCJ33	GFL	BFL	36.7	44.9	1.0	33	5.0	25.4	59.0
SMCJ33A	GFM	BFM	36.7	40.6	1.0	33	5.0	28.1	53.3
SMCJ36	GFN	BFN	40.0	48.9	1.0	36	5.0	23.3	64.3
SMCJ36A	GFP	BFP	40.0	44.2	1.0	36	5.0	25.8	58.1
SMCJ40	GFQ	BFQ	44.4	54.3	1.0	40	5.0	21.0	71.4
SMCJ40A	GFR	BFR	44.4	49.1	1.0	40	5.0	23.3	64.5
SMCJ43	GFS	BFS	47.8	58.4	1.0	43	5.0	19.6	76.7
SMCJ43A	GFT	BFT	47.8	52.8	1.0	43	5.0	21.6	69.4
SMCJ45	GFU	GFU	50.0	61.1	1.0	45	5.0	18.7	80.3
SMCJ45A	GFV	GFV	50.0	55.3	1.0	45	5.0	20.6	72.7
SMCJ48	GFW	GFW	53.3	65.1	1.0	48	5.0	17.5	85.5
SMCJ48A	GFX	GFX	53.3	58.9	1.0	48	5.0	19.4	77.4
SMCJ51	GFY	GFY	56.7	69.3	1.0	51	5.0	16.5	91.1
SMCJ51A	GFZ	GFZ	56.7	62.7	1.0	51	5.0	18.2	82.4
SMCJ54	GGD	GGD	60.0	73.3	1.0	54	5.0	15.6	96.3
SMCJ54A	GGE	GGE	60.0	66.3	1.0	54	5.0	17.2	87.1
SMCJ58	GGF	GGF	64.4	78.7	1.0	58	5.0	14.6	103
SMCJ58A	GGG	GGG	64.4	71.2	1.0	58	5.0	16.0	93.6
SMCJ60	GGH	GGH	66.7	81.5	1.0	60	5.0	14.0	107
SMCJ60A	GGK	GGK	66.7	73.7	1.0	60	5.0	15.5	96.8
SMCJ64	GGL	GGL	71.1	86.9	1.0	64	5.0	13.2	114
SMCJ64A	GGM	GGM	71.1	78.6	1.0	64	5.0	14.6	103
SMCJ70	GGN	GGN	77.8	95.1	1.0	70	5.0	12.0	125
SMCJ70A	GGP	GGP	77.8	86.0	1.0	70	5.0	13.3	113
SMCJ75	GGQ	GGQ	83.3	102	1.0	75	5.0	11.2	134
SMCJ75A	GGR	GGR	83.3	92.1	1.0	75	5.0	12.4	121
SMCJ78	GGS	GGS	86.7	106	1.0	78	5.0	10.8	139
SMCJ78A	GGT	GGT	86.7	95.8	1.0	78	5.0	11.9	126
SMCJ85	GGU	GGU	94.4	115	1.0	85	5.0	9.9	151
SMCJ85A	GGV	GGV	94.4	104	1.0	85	5.0	10.9	137
SMCJ90	GGW	GGW	100	122	1.0	90	5.0	9.4	160
SMCJ90A	GGX	GGX	100	111	1.0	90	5.0	10.3	146
SMCJ100	GGY	GGY	111	136	1.0	100	5.0	8.4	179
SMCJ100A	GGZ	GGZ	111	123	1.0	100	5.0	9.3	162
SMCJ110	GHD	GHD	122	149	1.0	110	5.0	7.7	196
SMCJ110A	GHE	GHE	122	135	1.0	110	5.0	8.5	177
SMCJ120	GHF	GHF	133	163	1.0	120	5.0	7.0	214
SMCJ120A	GHG	GHG	133	147	1.0	120	5.0	7.8	193

**Transient voltage suppressor**

Type	Device marking code		$V_{(BR)}$			V_{WM}	I_{DM}	I_{PPM}	V_C
			V		$@I_T$		$@V_{WM}$		$@I_{PPM}$
	UNI	BI	Min	Max	mA	V	μA	A	V
SMCJ130	GHH	GHH	144	176	1.0	130	5.0	6.5	231
SMCJ130A	GHK	GHK	144	159	1.0	130	5.0	7.2	209
SMCJ150	GHL	GHL	167	204	1.0	150	5.0	5.6	268
SMCJ150A	GHM	GHM	167	185	1.0	150	5.0	6.2	243
SMCJ160	GHN	GHN	178	218	1.0	160	5.0	5.2	287
SMCJ160A	GHP	GHP	178	197	1.0	160	5.0	5.8	259
SMCJ170	GHQ	GHQ	189	231	1.0	170	5.0	4.9	304
SMCJ170A	GHR	GHR	189	209	1.0	170	5.0	5.5	275
SMCJ188	GHT	GHT	209	255	1.0	188	5.0	4.4	344
SMCJ188A	GHS	GHS	209	231	1.0	188	5.0	4.6	328

TRANSIENT VOLTAGE SUPPRESSOR

Peak Pulse Power	5000W
Breakdown Voltage	5.0---110V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" or "CA" (e.g.5KP5.0C or 5KP5.0CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 5000	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	8.0	W
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I_{FSM}	400	A
Maximum instantaneous forward voltage at 100A for unidirectional only	V_F	3.5	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+175	$^{\circ}\text{C}$
Case style	R-6		



R-6

Transient voltage suppressor

Device Type	$V_{(BR)}$ V		I_T	V_{WM}	$I_D@V_{WM}$	I_{PPM}	$V_C@I_{PPM}$	$\alpha V_{(BR)}$
	Min	Max	m A	V	μ A	A	V	%/°C
5KP5.0	6.40	7.30	50	5.0	2000	521	9.6	0.057
5KP5.0A	6.40	7.00	50	5.0	2000	543	9.2	0.057
5KP6.0	6.67	8.15	50	6.0	5000	439	11.4	0.061
5KP6.0A	6.67	7.37	50	6.0	5000	485	10.3	0.061
5KP6.5	7.22	8.80	50	6.5	2000	407	12.3	0.065
5KP6.5A	7.22	7.98	50	6.5	2000	446	11.2	0.065
5KP7.0	7.78	9.51	50	7.0	1000	376	13.3	0.068
5KP7.0A	7.78	8.60	50	7.0	1000	417	12.0	0.068
5KP7.5	8.33	10.2	5.0	7.5	250	350	14.3	0.073
5KP7.5A	8.33	9.21	5.0	7.5	250	388	12.9	0.073
5KP8.0	8.89	10.9	5.0	8.0	150	333	15.0	0.075
5KP8.0A	8.89	9.83	5.0	8.0	150	368	13.6	0.075
5KP8.5	9.44	11.5	5.0	8.5	50	314	15.9	0.078
5KP8.5A	9.44	10.4	5.0	8.5	50	347	14.4	0.078
5KP9.0	10.0	12.2	5.0	9.0	20	296	16.9	0.081
5KP9.0A	10.0	11.1	5.0	9.0	20	325	15.4	0.081
5KP10	11.1	13.6	5.0	10	15	266	18.8	0.084
5KP10A	11.1	12.3	5.0	10	15	294	17.0	0.084
5KP11	12.2	14.9	5.0	11	10	249	20.1	0.086
5KP11A	12.2	13.5	5.0	11	10	275	18.2	0.086
5KP12	13.3	16.3	5.0	12	10	227	22.0	0.088
5KP12A	13.3	14.7	5.0	12	10	251	19.9	0.088
5KP13	14.4	17.6	5.0	13	10	210	23.8	0.090
5KP13A	14.4	15.9	5.0	13	10	233	21.5	0.090
5KP14	15.6	19.1	5.0	14	10	194	25.8	0.092
5KP14A	15.6	17.2	5.0	14	10	216	23.2	0.092
5KP15	16.7	20.4	5.0	15	10	186	26.9	0.094
5KP15A	16.7	18.5	5.0	15	10	205	24.4	0.094
5KP16	17.8	21.8	5.0	16	10	174	28.8	0.096
5KP16A	17.8	19.7	5.0	16	10	192	26.0	0.096
5KP17	18.9	23.1	5.0	17	10	164	30.5	0.097
5KP17A	18.9	20.9	5.0	17	10	181	27.6	0.097
5KP18	20.0	24.4	5.0	18	10	155	32.2	0.098
5KP18A	20.0	22.1	5.0	18	10	171	29.2	0.098
5KP20	22.2	27.1	5.0	20	10	140	35.8	0.099
5KP20A	22.2	24.5	5.0	20	10	154	32.4	0.099
5KP22	24.4	29.8	5.0	22	10	127	39.4	0.100
5KP22A	24.4	26.9	5.0	22	10	141	35.5	0.100
5KP24	26.7	32.6	5.0	24	10	116	43.0	0.101
5KP24A	26.7	29.5	5.0	24	10	129	38.9	0.101
5KP26	28.9	35.3	5.0	26	10	107	46.6	0.101
5KP26A	28.9	31.9	5.0	26	10	119	42.1	0.101



Transient voltage suppressor

Device Type	$V_{(BR)}$ V		I_T	V_{WM}	$I_D@V_{WM}$	I_{PPM}	$V_C@I_{PPM}$	$\alpha V_{(BR)}$
	Min	Max	m A	V	μ A	A	V	%/°C
5KP28	31.1	38.0	5.0	28	10	100	50.1	0.102
5KP28A	31.1	34.4	5.0	28	10	110	45.4	0.102
5KP30	33.3	40.7	5.0	30	10	93.5	53.5	0.103
5KP30A	33.3	36.8	5.0	30	10	103	48.4	0.103
5KP33	36.7	44.9	5.0	33	10	84.7	59.0	0.104
5KP33A	36.7	40.6	5.0	33	10	93.8	53.3	0.104
5KP36	40.0	48.9	5.0	36	10	77.8	64.3	0.104
5KP36A	40.0	44.2	5.0	36	10	86.1	58.1	0.104
5KP40	44.4	54.3	5.0	40	10	70.0	71.4	0.105
5KP40A	44.4	49.1	5.0	40	10	77.5	64.5	0.105
5KP43	47.8	58.4	5.0	43	10	65.2	76.7	0.105
5KP43A	47.8	52.8	5.0	43	10	72.0	69.4	0.105
5KP45	50.0	61.1	5.0	45	10	62.3	80.3	0.106
5KP45A	50.0	55.3	5.0	45	10	68.8	72.7	0.106
5KP48	53.3	65.2	5.0	48	10	58.5	85.5	0.106
5KP48A	53.3	58.9	5.0	48	10	64.6	77.4	0.106
5KP51	56.1	69.3	5.0	51	10	54.9	91.1	0.107
5KP51A	56.7	62.7	5.0	51	10	60.7	82.4	0.107
5KP54	60.0	73.3	5.0	54	10	51.9	96.3	0.107
5KP54A	60.0	66.3	5.0	54	10	57.4	87.1	0.107
5KP58	64.4	78.7	5.0	58	10	48.5	103	0.107
5KP58A	64.4	71.2	5.0	58	10	53.4	94.0	0.107
5KP60	66.7	81.5	5.0	60	10	46.7	107	0.108
5KP60A	66.7	73.7	5.0	60	10	51.7	97.0	0.108
5KP64	71.1	96.9	5.0	64	10	43.9	114	0.108
5KP64A	71.1	78.6	5.0	64	10	48.5	103	0.108
5KP70	77.6	95.1	5.0	70	10	40.0	125	0.108
5KP70A	77.6	86	5.0	70	10	44.2	113	0.108
5KP75	83.3	102	5.0	75	10	37.3	134	0.108
5KP75A	83.3	92.1	5.0	75	10	41.3	121	0.108
5KP78	86.7	106	5.0	78	10	36.0	139	0.108
5KP78A	86.7	95.8	5.0	78	10	39.7	126	0.108
5KP85	94.4	115	5.0	85	10	33.1	151	0.108
5KP85A	94.4	104	5.0	85	10	36.5	137	0.108
5KP90	100	122	5.0	90	10	31.0	160	0.110
5KP90A	100	111	5.0	90	10	34.2	146	0.110
5KP100	111	136	5.0	100	10	27.9	179	0.110
5KP100A	111	123	5.0	100	10	30.9	162	0.110
5KP110	122	149	5.0	110	10	25.5	196	0.112
5KP110A	122	135	5.0	110	10	28.2	177	0.112

**TRANSIENT VOLTAGE SUPPRESSOR**

Peak Pulse Power	150W
Breakdown Voltage	7.0---188V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" (e.g.BZD27C7V5CP)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/1000ms waveform	P_{PPM}	Min 150	W
Peak pulse current with a 10/100 μ s waveform	I_{PPM}	See Table 1	A
Steady state power dissipation at $T_L=75^{\circ}\text{C}$ Lead Lengths,9.5mm	$P_{M(AV)}$	0.8	W
Maximum instantaneous forward voltage at 0.2A	V_F	1.2	V
Operating junction and storage temperature range	T_J, T_{STG}	-55---+150	$^{\circ}\text{C}$
Case style	SOD-123FL		



SOD-123FL



Transient voltage suppressor

Partnumber	Marking code	Rev.Breakdown Voltage	Test Current	Temperature Coefficient		Clamping Voltage		Reverse Current at Stand-off Voltage	
		$V_{(BR)R}@I_{test}$	I_{test}	$\alpha_z@I_{test}$		V_C	@ $I_{RSM}^{1)}$	I_R	@ V_{wm}
		V	m A	%/ $^{\circ}C$		V	A	μA	V
		min		min	max	max		max	
BZD27C7V5P	J8	7.0	100	0	0.07	11.3	13.3	1500	6.2
BZD27C8V2P	J9	7.7	100	0.03	0.08	12.3	12.2	1200	6.8
BZD27C9V1P	K0	8.5	50	0.03	0.08	13.3	11.3	100	7.5
BZD27C10P	K1	9.4	50	0.05	0.09	14.8	10.1	20	8.2
BZD27C11P	K2	10.4	50	0.05	0.10	15.7	9.6	5.0	9.1
BZD27C12P	K3	11.4	50	0.05	0.10	17.0	8.8	5.0	10
BZD27C13P	K4	12.4	50	0.05	0.10	18.9	7.9	5.0	11
BZD27C15P	K5	13.8	50	0.05	0.10	20.9	7.2	5.0	12
BZD27C16P	K6	15.3	25	0.06	0.11	22.9	6.6	5.0	13
BZD27C18P	K7	16.8	25	0.06	0.11	25.6	5.9	5.0	15
BZD27C20P	K8	18.8	25	0.06	0.11	28.4	5.3	5.0	16
BZD27C22P	K9	20.8	25	0.06	0.11	31.0	4.8	5.0	18
BZD27C24P	L0	22.8	25	0.06	0.11	33.8	4.4	5.0	20
BZD27C27P	L1	25.1	25	0.06	0.11	38.1	3.9	5.0	22
BZD27C30P	L2	28	25	0.06	0.11	42.2	3.6	5.0	24
BZD27C33P	L3	31	25	0.06	0.11	46.2	3.2	5.0	27
BZD27C36P	L4	34	10	0.06	0.11	50.1	3.0	5.0	30
BZD27C39P	L5	37	10	0.06	0.11	54.1	2.8	5.0	33
BZD27C43P	L6	40	10	0.07	0.12	60.7	2.5	5.0	36
BZD27C47P	L7	44	10	0.07	0.12	65.5	2.3	5.0	39
BZD27C51P	L8	48	10	0.07	0.12	70.8	2.1	5.0	43
BZD27C56P	L9	52	10	0.07	0.12	78.6	1.9	5.0	47
BZD27C62P	M0	58	10	0.08	0.13	86.5	1.7	5.0	51
BZD27C68P	M1	64	10	0.08	0.13	94.4	1.6	5.0	56
BZD27C75P	M2	70	10	0.08	0.13	103.5	1.5	5.0	62
BZD27C82P	M3	77	10	0.08	0.13	114	1.3	5.0	68
BZD27C91P	M4	85	5.0	0.09	0.13	126	1.2	5.0	75
BZD27C100P	M5	94	5.0	0.09	0.13	139	1.1	5.0	82
BZD27C110P	M6	104	5.0	0.09	0.13	139	0.72	5.0	91
BZD27C120P	M7	114	5.0	0.09	0.13	152	0.65	5.0	100
BZD27C130P	M8	124	5.0	0.09	0.13	169	0.59	5.0	110
BZD27C150P	M9	138	5.0	0.09	0.13	187	0.53	5.0	120
BZD27C160P	N1	153	5.0	0.09	0.13	205	0.48	5.0	130
BZD27C180P	N2	168	5.0	0.09	0.13	229	0.43	5.0	150
BZD27C200P	N3	188	5.0	0.09	0.13	254	0.39	5.0	160

Note:1)Non-repetitive peak reverse current in accordance with"IEC 60-1,Section 8"(10/1000 μs pulse)

**TRANSIENT VOLTAGE SUPPRESSOR**

Peak Pulse Power	200W
Breakdown Voltage	6.48---56.7V

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For bidirectional use add suffix letter "C" (e.g.SMF5V0CA)
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOL	VALUE	UNITS
Peak pulse power dissipation with a 10/100 μ s waveform	P _{PPM}	Min 200	W
Peak pulse current with a 10/100 μ s waveform	I _{PPM}	See Table 1	A
Peak forward surge current,8.3ms single half sine-wavesuperimposed on rated load unidirectional only	I _{FSM}	20	A
Maximum instantaneous forward voltage at 12A	V _F	3.5	V
Operating junction and storage temperature range	T _J ,T _{STG}	-55---+150	°C
Case style	SOD-123FL		



SOD-123FL

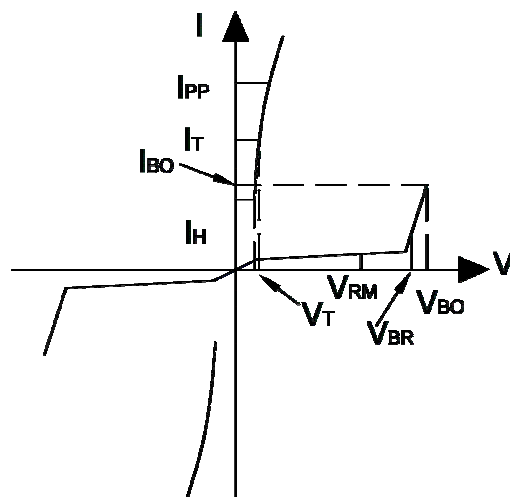
**Transient voltage suppressor**

Type	Marking Code UNI	$V_{(BR)}^{(1)}$ V Min	I_T mA	V_{WM} V	$I_D@V_{WM}$ μA	$I_{PPM}^{(2)}$ A	$V_C@I_{PPM}$ V
SMF5V0A	AE	6.40	10	5.0	400	21.7	9.2
SMF6V0A	AG	6.67	10	6.0	400	19.4	10.3
SMF6V5A	AK	7.22	10	6.5	250	17.9	11.2
SMF7V0A	AM	7.78	10	7.0	100	16.7	12.0
SMF7V5A	AP	8.33	1.0	7.5	50	15.5	12.9
SMF8V0A	AR	8.89	1.0	8.0	25	14.7	13.6
SMF8V5A	AT	9.44	1.0	8.5	10	13.9	14.4
SMF9V0A	AV	10.0	1.0	9.0	5.0	13.5	15.4
SMF10A	AX	11.1	1.0	10	2.5	11.8	17.0
SMF11A	AZ	12.2	1.0	11	2.5	11.0	18.2
SMF12A	BE	13.3	1.0	12	2.5	10.1	19.9
SMF13A	BG	14.4	1.0	13	1.0	9.3	21.5
SMF14A	BK	15.6	1.0	14	1.0	8.6	23.2
SMF15A	BM	16.7	1.0	15	1.0	8.2	24.4
SMF16A	BP	17.8	1.0	16	1.0	7.7	26.0
SMF17A	BR	18.9	1.0	17	1.0	7.2	27.6
SMF18A	BT	20.0	1.0	18	1.0	5.8	29.2
SMF20A	BV	22.2	1.0	20	1.0	6.2	32.4
SMF22A	BX	24.4	1.0	22	1.0	5.6	35.5
SMF24A	BZ	26.7	1.0	24	1.0	5.1	38.9
SMF26A	CE	28.9	1.0	26	1.0	4.8	42.1
SMF28A	CG	31.1	1.0	28	1.0	4.4	45.4
SMF30A	CK	33.3	1.0	30	1.0	4.1	48.4
SMF33A	CM	36.7	1.0	33	1.0	3.8	53.3
SMF36A	CP	40.0	1.0	36	1.0	3.4	58.1
SMF40A	CR	44.4	1.0	40	1.0	3.1	64.5
SMF43A	CT	47.8	1.0	43	1.0	2.9	69.4
SMF45A	CV	50.0	1.0	45	1.0	2.8	72.7
SMF48A	CX	53.3	1.0	48	1.0	2.6	77.4
SMF51A	CZ	56.7	1.0	51	1.0	2.4	82.4

(1) Pulse test $t_p \leq 5.0ms$ (2) Surge current waveform 10/1000 μs

Telecommunication protection arrestor

Type	I _{PP}		I _{FSM}	I _{RM}		V _{BR}		V _{BO}		I _H	C ²⁾	Case Style
	10/1000μS	8/20μS		I _{RM}	V _{RM}	V _{BR}	I _R	V _{BO}	I _{BO}	Min	Typ.	
						Min		Min	Max			
	A	A		A	μA	V	V	mA	V	mA	mA		p F
Surface Mount Rectifiers												
SMTPA62	50	100	30	2.0	56	62	1.0	82	800	150	50	SMB
SMTPA68	50	100	30	2.0	61	68	1.0	90	800	150	45	SMB
SMTPA100	50	100	30	2.0	90	100	1.0	133	800	150	40	SMB
SMTPA120	50	100	30	2.0	108	120	1.0	160	800	150	40	SMB
SMTPA130	50	100	30	2.0	117	130	1.0	173	800	150	35	SMB
SMTPA180	50	100	30	2.0	162	180	1.0	240	800	150	30	SMB
SMTPA200	50	100	30	2.0	180	200	1.0	267	800	150	30	SMB
SMTPA220	50	100	30	2.0	198	220	1.0	293	800	150	30	SMB
SMTPA240	50	100	30	2.0	216	240	1.0	320	800	150	30	SMB
SMTPA270	50	100	30	2.0	243	270	1.0	360	800	150	30	SMB
Leaded Rectifiers												
TPA62	50	100	30	2.0	56	62	1.0	82	800	150	150	DO-15
TPA68	50	100	30	2.0	61	68	1.0	90	800	150	150	DO-15
TPA100	50	100	30	2.0	90	100	1.0	133	800	150	100	DO-15
TPA120	50	100	30	2.0	108	120	1.0	160	800	150	100	DO-15
TPA130	50	100	30	2.0	117	130	1.0	173	800	150	100	DO-15
TPA180	50	100	30	2.0	162	180	1.0	240	800	150	100	DO-15
TPA200	50	100	30	2.0	180	200	1.0	267	800	150	100	DO-15
TPA220	50	100	30	2.0	198	220	1.0	293	800	150	100	DO-15
TPA240	50	100	30	2.0	216	240	1.0	320	800	150	100	DO-15
TPA270	50	100	30	2.0	243	270	1.0	360	800	150	100	DO-15



SMB / DO-214AA



DO-15

Bridge rectifiers



UL 338431

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
MB2S	0.5/0.8 ¹⁾	200	35	1.0	0.4	5.0	0.5 ²⁾	-	MBS
MB4S	0.5/0.8 ¹⁾	400	35	1.0	0.4	5.0	0.5 ²⁾	-	MBS
MB6S	0.5/0.8 ¹⁾	600	35	1.0	0.4	5.0	0.5 ²⁾	-	MBS
MB8S	0.5/0.8 ¹⁾	800	35	1.0	0.4	5.0	0.5 ²⁾	-	MBS
MB10S	0.5/0.8 ¹⁾	1000	35	1.0	0.4	5.0	0.5 ²⁾	-	MBS
MB2M	0.5/0.8 ¹⁾	200	35	1.0	0.4	5.0	0.5 ²⁾	-	MBM
MB4M	0.5/0.8 ¹⁾	400	35	1.0	0.4	5.0	0.5 ²⁾	-	MBM
MB6M	0.5/0.8 ¹⁾	600	35	1.0	0.4	5.0	0.5 ²⁾	-	MBM
MB8M	0.5/0.8 ¹⁾	800	35	1.0	0.4	5.0	0.5 ²⁾	-	MBM
MB10M	0.5/0.8 ¹⁾	1000	35	1.0	0.4	5.0	0.5 ²⁾	-	MBM
S40	0.8	80	40	1.2	0.4	10	0.5 ²⁾	-	MBS
S80	0.8	160	40	1.2	0.4	10	0.5 ²⁾	-	MBS
S125	0.8	250	40	1.2	0.4	10	0.5 ²⁾	-	MBS
S250	0.8	600	40	1.2	0.4	10	0.5 ²⁾	-	MBS
S380	0.8	800	40	1.2	0.4	10	0.5 ²⁾	-	MBS
S500	0.8	1000	40	1.2	0.4	10	0.5 ²⁾	-	MBS
B40S	0.8	80	40	1.1	0.4	10	0.5 ²⁾	-	DB-S
B80S	0.8	160	40	1.1	0.4	10	0.5 ²⁾	-	DB-S
B125S	0.8	250	40	1.1	0.4	10	0.5 ²⁾	-	DB-S
B250S	0.8	600	40	1.1	0.4	10	0.5 ²⁾	-	DB-S
B380S	0.8	800	40	1.1	0.4	10	0.5 ²⁾	-	DB-S
B500S	0.8	1000	40	1.1	0.4	10	0.5 ²⁾	-	DB-S
B40D	1.0	80	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
B80D	1.0	160	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
B125D	1.0	250	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
B250D	1.0	600	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
B380D	1.0	800	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
B500D	1.0	1000	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DB101S	1.0	50	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB102S	1.0	100	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB103S	1.0	200	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB104S	1.0	400	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB105S	1.0	600	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB106S	1.0	800	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB107S	1.0	1000	40	1.1	1.0	10	0.5 ²⁾	-	DB-S
DB101	1.0	50	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DB102	1.0	100	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DB103	1.0	200	40	1.1	1.0	10	0.5 ²⁾	-	DB-1

Note: 1) On glass epoxy P.C.B. mounted on 0.05×0.05"(1.3×1.3mm) pads / On aluminum substrate P.C.B. with an area of 0.8×0.8×0.25" (20×20×6.4mm) mounted on 0.05×0.05"(1.27×1.27mm) solder pad

2) $T_A=125^{\circ}C$



MBS/TO-263AA



MBM



DB-S / DFS



DB-1 / DFM

Bridge rectifiers



Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
DB104	1.0	400	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DB105	1.0	600	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DB106	1.0	800	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DB107	1.0	1000	40	1.1	1.0	10	0.5 ²⁾	-	DB-1
DF005S	1.0	50	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF01S	1.0	100	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF02S	1.0	200	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF04S	1.0	400	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF06S	1.0	600	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF08S	1.0	800	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF10S	1.0	1000	50	1.1	1.0	10	0.5 ²⁾	-	DF-S
DF005M	1.0	50	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DF01M	1.0	100	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DF02M	1.0	200	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DF04M	1.0	400	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DF06M	1.0	600	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DF08M	1.0	800	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DF10M	1.0	1000	50	1.1	1.0	10	0.5 ²⁾	-	DF-M
DB151S	1.5	50	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB152S	1.5	100	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB153S	1.5	200	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB154S	1.5	400	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB155S	1.5	600	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB156S	1.5	800	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB157S	1.5	1000	60	1.1	1.50	10	0.5 ²⁾	-	DB-S
DB151	1.5	50	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB152	1.5	100	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB153	1.5	200	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB154	1.5	400	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB155	1.5	600	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB156	1.5	800	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB157	1.5	1000	60	1.1	1.50	10	0.5 ²⁾	-	DB-1
DB201S	2.0	50	80	1.1	2.0	10	0.5 ²⁾	-	DB-S
DB202S	2.0	100	80	1.1	2.0	10	0.5 ²⁾	-	DB-S
DB203S	2.0	200	80	1.1	2.0	10	0.5 ²⁾	-	DB-S
DB204S	2.0	400	80	1.1	2.0	10	0.5 ²⁾	-	DB-S
DB205S	2.0	600	80	1.1	2.0	10	0.5 ²⁾	-	DB-S
DB206S	2.0	800	80	1.1	2.0	10	0.5 ²⁾	-	DB-S

Note: 2) $T_A=125^{\circ}C$



DB-S / DFS



DB-1 / DFM

Bridge rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
DB207S	2.0	1000	80	1.1	2.0	10	0.5 ²⁾	-	DB-S
DB201	2.0	50	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
DB202	2.0	100	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
DB203	2.0	200	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
DB204	2.0	400	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
DB205	2.0	600	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
DB206	2.0	800	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
DB207	2.0	1000	80	1.1	2.0	10	0.5 ²⁾	-	DB-1
EDB101S	1.0	50	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-S
EDB102S	1.0	100	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-S
EDB103S	1.0	150	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-S
EDB104S	1.0	200	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-S
EDB105S	1.0	300	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-S
EDB106S	1.0	400	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-S
EDB101	1.0	50	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-1
EDB102	1.0	100	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-1
EDB103	1.0	150	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-1
EDB104	1.0	200	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-1
EDB105	1.0	300	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-1
EDB106	1.0	400	30	1.0	1.0	10	1.0 ²⁾	50.0	DB-1
FDB101S	1.0	50	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-S
FDB102S	1.0	100	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-S
FDB103S	1.0	200	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-S
FDB104S	1.0	400	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-S
FDB105S	1.0	600	30	1.1	1.0	10	1.0 ²⁾	250.0	DB-S
FDB106S	1.0	800	30	1.1	1.0	10	1.0 ²⁾	500.0	DB-S
FDB107S	1.0	1000	30	1.1	1.0	10	1.0 ²⁾	500.0	DB-S
FDB101	1.0	50	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-1
FDB102	1.0	100	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-1
FDB103	1.0	200	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-1
FDB104	1.0	400	30	1.1	1.0	10	1.0 ²⁾	150.0	DB-1
FDB105	1.0	600	30	1.1	1.0	10	1.0 ²⁾	250.0	DB-1
FDB106	1.0	800	30	1.1	1.0	10	1.0 ²⁾	500.0	DB-1
FDB107	1.0	1000	30	1.1	1.0	10	1.0 ²⁾	500.0	DB-1
RB151(G)	1.5	50	50	1.0	1.50	10	0.5 ²⁾	-	RB-15
RB152(G)	1.5	100	50	1.0	1.50	10	0.5 ²⁾	-	RB-15
RB153(G)	1.5	200	50	1.0	1.50	10	0.5 ²⁾	-	RB-15
RB154(G)	1.5	400	50	1.0	1.50	10	0.5 ²⁾	-	RB-15

Note: 2) $T_A=125^{\circ}C$



DB-S / DFS



DB-1 / DFM



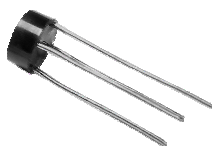
RB-15

Bridge rectifiers



Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
RB155(G)	1.5	600	50	1.0	1.50	10	0.5 ²⁾	-	RB-15
RB156(G)	1.5	800	50	1.0	1.50	10	0.5 ²⁾	-	RB-15
RB157(G)	1.5	1000	50	1.0	1.50	10	0.5 ²⁾	-	RB-15
W005(G)	1.5	50	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W01(G)	1.5	100	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W02(G)	1.5	200	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W04(G)	1.5	400	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W06(G)	1.5	600	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W08(G)	1.5	800	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W10(G)	1.5	1000	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W005L	1.5	50	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W01L	1.5	100	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W02L	1.5	200	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W04L	1.5	400	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W06L	1.5	600	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W08L	1.5	800	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W10L	1.5	1000	50	1.0	1.50	5.0	0.5 ²⁾	-	RB-15
W005M(G)	1.5	50	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W01M(G)	1.5	100	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W02M(G)	1.5	200	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W04M(G)	1.5	400	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W06M(G)	1.5	600	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W08M(G)	1.5	800	50	1.0	1.50	10	0.5 ²⁾	-	WOM
W10M(G)	1.5	1000	50	1.0	1.50	10	0.5 ²⁾	-	WOM
2W005(G)	2.0	50	60	1.1	2.0	10	0.5 ²⁾	-	WOM
2W01(G)	2.0	100	60	1.1	2.0	10	0.5 ²⁾	-	WOM
2W02(G)	2.0	200	60	1.1	2.0	10	0.5 ²⁾	-	WOM
2W04(G)	2.0	400	60	1.1	2.0	10	0.5 ²⁾	-	WOM
2W06(G)	2.0	600	60	1.1	2.0	10	0.5 ²⁾	-	WOM
2W08(G)	2.0	800	60	1.1	2.0	10	0.5 ²⁾	-	WOM
2W10(G)	2.0	1000	60	1.1	2.0	10	0.5 ²⁾	-	WOM
RS101G	1.0	50	30	1.0	1.0	5	1.0 ²⁾	-	RS-1
RS102G	1.0	100	30	1.0	1.0	5	1.0 ²⁾	-	RS-1
RS103G	1.0	200	30	1.0	1.0	5	1.0 ²⁾	-	RS-1
RS104G	1.0	400	30	1.0	1.0	5	1.0 ²⁾	-	RS-1
RS105G	1.0	600	30	1.0	1.0	5	1.0 ²⁾	-	RS-1
RS106G	1.0	800	30	1.0	1.0	5	1.0 ²⁾	-	RS-1
RS107G	1.0	1000	30	1.0	1.0	5	1.0 ²⁾	-	RS-1

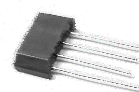
Note 2) $T_A=125^{\circ}C$



RB-15



WOM



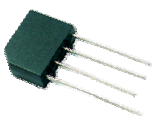
RS-1

Bridge rectifiers

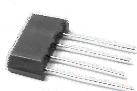


Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
KBP005	2.0	50	50	1.1	2.0	10	1.0 ²⁾	-	KBP
KBP01	2.0	100	50	1.1	2.0	10	1.0 ²⁾	-	KBP
KBP02	2.0	200	50	1.1	2.0	10	1.0 ²⁾	-	KBP
KBP04	2.0	400	50	1.1	2.0	10	1.0 ²⁾	-	KBP
KBP06	2.0	600	50	1.1	2.0	10	1.0 ²⁾	-	KBP
KBP08	2.0	800	50	1.1	2.0	10	1.0 ²⁾	-	KBP
KBP10	2.0	1000	50	1.1	2.0	10	1.0 ²⁾	-	KBP
RS201GL	2.0	50	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS202GL	2.0	100	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS203GL	2.0	200	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS204GL	2.0	400	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS205GL	2.0	600	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS206GL	2.0	800	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS207GL	2.0	1000	50	1.1	2.0	5.0	0.5 ²⁾	-	RS-1
RS201	2.0	50	50	1.1	2.0	10	1.0 ²⁾	-	RS2
RS202	2.0	100	50	1.1	2.0	10	1.0 ²⁾	-	RS2
RS203	2.0	200	50	1.1	2.0	10	1.0 ²⁾	-	RS2
RS204	2.0	400	50	1.1	2.0	10	1.0 ²⁾	-	RS2
RS205	2.0	600	50	1.1	2.0	10	1.0 ²⁾	-	RS2
RS206	2.0	800	50	1.1	2.0	10	1.0 ²⁾	-	RS2
RS207	2.0	1000	50	1.1	2.0	10	1.0 ²⁾	-	RS2
KBJ2A	2.0	50	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
KBJ2B	2.0	100	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
KBJ2D	2.0	200	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
KBJ2G	2.0	400	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
KBJ2J	2.0	600	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
KBJ2K	2.0	800	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
KBJ2M	2.0	1000	50	1.1	2.0	10	1.0 ²⁾	-	KBJ2
GBL005	4.0	50	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
GBL01	4.0	100	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
GBL02	4.0	200	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
GBL04	4.0	400	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
GBL06	4.0	600	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
GBL08	4.0	800	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
GBL10	4.0	1000	150	1.1	4.0	5.0	0.5 ²⁾	-	KBJ2
KBJ4A	4.0	50	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4
KBJ4B	4.0	100	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4
KBJ4D	4.0	200	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4

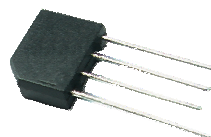
Note 2) $T_A=125^{\circ}C$



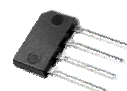
KBP



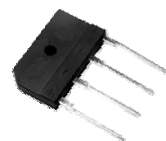
RS-1



RS-2



KBJ2



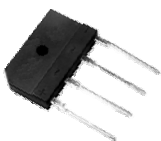
KBJ4

Bridge rectifiers

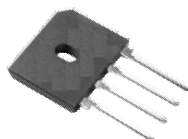


Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
KBJ4G	4.0	400	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4
KBJ4J	4.0	600	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4
KBJ4K	4.0	800	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4
KBJ4M	4.0	1000	150	1.1	4.0	10	1.0 ²⁾	-	KBJ4
GBU4A	4.0	50	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
GBU4B	4.0	100	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
GBU4D	4.0	200	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
GBU4G	4.0	400	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
GBU4J	4.0	600	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
GBU4K	4.0	800	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
GBU4M	4.0	1000	150	1.1	4.0	5.0	0.5 ²⁾	-	GBU
KBU4A	4.0	50	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBU4B	4.0	100	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBU4D	4.0	200	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBU4G	4.0	400	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBU4J	4.0	600	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBU4K	4.0	800	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBU4M	4.0	1000	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS401L	4.0	50	150	1.1	4.0	5.0	1.0	-	KBL
RS402L	4.0	100	150	1.1	4.0	5.0	1.0	-	KBL
RS403L	4.0	200	150	1.1	4.0	5.0	1.0	-	KBL
RS404L	4.0	400	150	1.1	4.0	5.0	1.0	-	KBL
RS405L	4.0	600	150	1.1	4.0	5.0	1.0	-	KBL
RS406L	4.0	800	150	1.1	4.0	5.0	1.0	-	KBL
RS407L	4.0	1000	150	1.1	4.0	5.0	1.0	-	KBL
RS401	4.0	50	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS402	4.0	100	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS403	4.0	200	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS404	4.0	400	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS405	4.0	600	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS406	4.0	800	150	1.1	4.0	10	1.0 ²⁾	-	KBU
RS407	4.0	1000	150	1.1	4.0	10	1.0 ²⁾	-	KBU
KBJ6AA	6.0	50	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4
KBJ6BA	6.0	100	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4
KBJ6DA	6.0	200	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4
KBJ6GA	6.0	400	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4
KBJ6JA	6.0	600	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4
KBJ6KA	6.0	800	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4

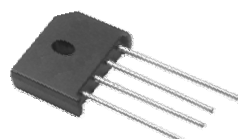
Note 2) $T_A=125^{\circ}C$



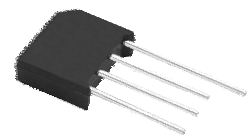
KBJ4



GBU



KBU



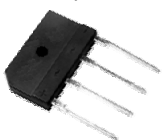
KBL

Bridge rectifiers

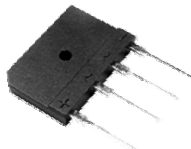


Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
KBJ6MA	6.0	1000	170	1.1	6.0	10	1.0 ²⁾	-	KBJ4
KBJ6A	6.0	50	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
KBJ6B	6.0	100	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
KBJ6D	6.0	200	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
KBJ6G	6.0	400	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
KBJ6J	6.0	600	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
KBJ6K	6.0	800	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
KBJ6M	6.0	1000	170	1.1	6.0	10	1.0 ²⁾	-	KBJ6
GBU6A	6.0	50	175	1.1	6.0	10	1.0 ²⁾	-	GBU
GBU6B	6.0	100	175	1.1	6.0	10	1.0 ²⁾	-	GBU
GBU6D	6.0	200	175	1.1	6.0	10	1.0 ²⁾	-	GBU
GBU6G	6.0	400	175	1.1	6.0	10	1.0 ²⁾	-	GBU
GBU6J	6.0	600	175	1.1	6.0	10	1.0 ²⁾	-	GBU
GBU6K	6.0	800	175	1.1	6.0	10	1.0 ²⁾	-	GBU
GBU6M	6.0	1000	175	1.1	6.0	10	1.0 ²⁾	-	GBU
RS601L	6.0	50	150	1.1	6.0	10	1.0	-	KBL
RS602L	6.0	100	150	1.1	6.0	10	1.0	-	KBL
RS603L	6.0	200	150	1.1	6.0	10	1.0	-	KBL
RS604L	6.0	400	150	1.1	6.0	10	1.0	-	KBL
RS605L	6.0	600	150	1.1	6.0	10	1.0	-	KBL
RS606L	6.0	800	150	1.1	6.0	10	1.0	-	KBL
RS607L	6.0	1000	150	1.1	6.0	10	1.0	-	KBL
RS601	6.0	50	150	1.1	6.0	10	1.0 ²⁾	-	KBU
RS602	6.0	100	150	1.1	6.0	10	1.0 ²⁾	-	KBU
RS603	6.0	200	150	1.1	6.0	10	1.0 ²⁾	-	KBU
RS604	6.0	400	150	1.1	6.0	10	1.0 ²⁾	-	KBU
RS605	6.0	600	150	1.1	6.0	10	1.0 ²⁾	-	KBU
RS606	6.0	800	150	1.1	6.0	10	1.0 ²⁾	-	KBU
RS607	6.0	1000	150	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6A	6.0	50	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6B	6.0	100	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6D	6.0	200	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6G	6.0	400	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6J	6.0	600	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6K	6.0	800	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBU6M	6.0	1000	250	1.1	6.0	10	1.0 ²⁾	-	KBU
KBJ8A	8.0	50	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6
KBJ8B	8.0	100	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6

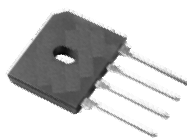
Note 2) $T_A=125^{\circ}C$



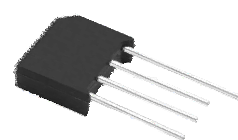
KBJ4



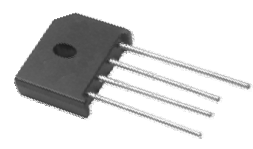
KBJ6



GBU



KBL



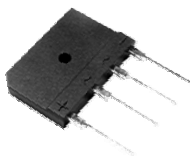
KBU

Bridge rectifiers

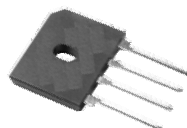


Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
KBJ8D	8.0	200	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6
KBJ8G	8.0	400	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6
KBJ8J	8.0	600	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6
KBJ8K	8.0	800	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6
KBJ8M	8.0	1000	170	1.1	8.0	10	1.0 ²⁾	-	KBJ6
GBU8A	8.0	50	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
GBU8B	8.0	100	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
GBU8D	8.0	200	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
GBU8G	8.0	400	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
GBU8J	8.0	600	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
GBU8K	8.0	800	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
GBU8M	8.0	1000	200	1.1	8.0	5.0	0.5 ²⁾	-	GBU
RS801	8.0	50	250	1.1	8.0	10	1.0 ²⁾	-	KBU
RS802	8.0	100	250	1.1	8.0	10	1.0 ²⁾	-	KBU
RS803	8.0	200	250	1.1	8.0	10	1.0 ²⁾	-	KBU
RS804	8.0	400	250	1.1	8.0	10	1.0 ²⁾	-	KBU
RS805	8.0	600	250	1.1	8.0	10	1.0 ²⁾	-	KBU
RS806	8.0	800	250	1.1	8.0	10	1.0 ²⁾	-	KBU
RS807	8.0	1000	250	1.1	8.0	10	1.0 ²⁾	-	KBU
KBU8A	8.0	50	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBU8B	8.0	100	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBU8D	8.0	200	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBU8G	8.0	400	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBU8J	8.0	600	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBU8K	8.0	800	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBU8M	8.0	1000	300	1.1	8.0	5.0	0.5 ²⁾	-	KBU
KBJ10A	10	50	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
KBJ10B	10	100	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
KBJ10D	10	200	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
KBJ10G	10	400	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
KBJ10J	10	600	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
KBJ10K	10	800	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
KBJ10M	10	1000	200	1.1	10	5.0	0.5 ²⁾	-	KBJ6
GBU10A	10	50	200	1.1	10	5.0	0.5 ²⁾	-	GBU
GBU10B	10	100	200	1.1	10	5.0	0.5 ²⁾	-	GBU
GBU10D	10	200	200	1.1	10	5.0	0.5 ²⁾	-	GBU
GBU10G	10	400	200	1.1	10	5.0	0.5 ²⁾	-	GBU
GBU10J	10	600	200	1.1	10	5.0	0.5 ²⁾	-	GBU

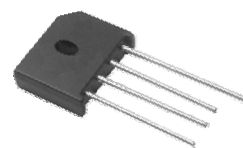
Note 2) $T_A=125^{\circ}C$



KBJ6



GBU

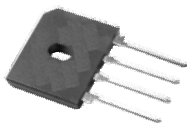


KBU

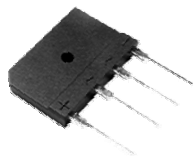
Bridge rectifiers

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
GBU10K	10	800	200	1.1	10.0	5.0	0.5 ²⁾	-	GBU
GBU10M	10	1000	200	1.1	10.0	5.0	0.5 ²⁾	-	GBU
KBJ15A	15	50	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
KBJ15B	15	100	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
KBJ15D	15	200	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
KBJ15G	15	400	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
KBJ15J	15	600	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
KBJ15K	15	800	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
KBJ15M	15	1000	220	1.1	15.0	5.0	0.5 ²⁾	-	KBJ6
GBU15A	15	50	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
GBU15B	15	100	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
GBU15D	15	200	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
GBU15G	15	400	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
GBU15J	15	600	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
GBU15K	15	800	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
GBU15M	15	1000	220	1.1	15.0	5.0	0.5 ²⁾	-	GBU
KBJ25A	25	50	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
KBJ25B	25	100	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
KBJ25D	25	200	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
KBJ25G	25	400	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
KBJ25J	25	600	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
KBJ25K	25	800	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
KBJ25M	25	1000	340	1.1	25.0	5.0	0.5 ²⁾	-	KBJ6
GBU25A	25	50	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
GBU25B	25	100	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
GBU25D	25	200	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
GBU25G	25	400	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
GBU25J	25	600	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
GBU25K	25	800	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
GBU25M	25	1000	340	1.1	25.0	5.0	0.5 ²⁾	-	GBU
BR305	3.0	50	50	1.1	1.5	10	1.0	-	BR3
BR31	3.0	100	50	1.1	1.5	10	1.0	-	BR3
BR32	3.0	200	50	1.1	1.5	10	1.0	-	BR3
BR34	3.0	400	50	1.1	1.5	10	1.0	-	BR3
BR36	3.0	600	50	1.1	1.5	10	1.0	-	BR3
BR38	3.0	800	50	1.1	1.5	10	1.0	-	BR3
BR310	3.0	1000	50	1.1	1.5	10	1.0	-	BR3
BR605	6.0	50	125	1.1	3.0	10	1.0	-	BR6

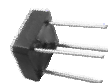
Note 2) $T_A=125^{\circ}C$



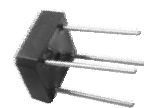
GBU



KBJ6



BR3

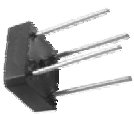


BR6

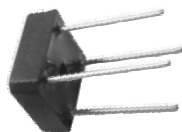
Bridge rectifiers



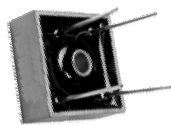
Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	mA	ns	
BR61	6.0	100	125	1.1	3.0	10	1.0	-	BR6
BR62	6.0	200	125	1.1	3.0	10	1.0	-	BR6
BR64	6.0	400	125	1.1	3.0	10	1.0	-	BR6
BR66	6.0	600	125	1.1	3.0	10	1.0	-	BR6
BR68	6.0	800	125	1.1	3.0	10	1.0	-	BR6
BR610	6.0	1000	125	1.1	3.0	10	1.0	-	BR6
BR805	8.0	50	125	1.1	4.0	10	1.0	-	BR8
BR81	8.0	100	125	1.1	4.0	10	1.0	-	BR8
BR82	8.0	200	125	1.1	4.0	10	1.0	-	BR8
BR84	8.0	400	125	1.1	4.0	10	1.0	-	BR8
BR86	8.0	600	125	1.1	4.0	10	1.0	-	BR8
BR88	8.0	800	125	1.1	4.0	10	1.0	-	BR8
BR810	8.0	1000	125	1.1	4.0	10	1.0	-	BR8
BR10005	10	50	200	1.1	5.0	10	1.0	-	BR8
BR1001	10	100	200	1.1	5.0	10	1.0	-	BR8
BR1002	10	200	200	1.1	5.0	10	1.0	-	BR8
BR1004	10	400	200	1.1	5.0	10	1.0	-	BR8
BR1006	10	600	200	1.1	5.0	10	1.0	-	BR8
BR1008	10	800	200	1.1	5.0	10	1.0	-	BR8
BR1010	10	1000	200	1.1	5.0	10	1.0	-	BR8
KBPC10005(W)	10	50	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC1001(W)	10	100	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC1002(W)	10	200	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC1004(W)	10	400	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC1006(W)	10	600	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC1008(W)	10	800	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC1010(W)	10	1000	200	1.1	5.0	10	1.0	-	KBPC(W)
KBPC10005	10	50	200	1.1	5.0	10	1.0	-	KBPC
KBPC1001	10	100	200	1.1	5.0	10	1.0	-	KBPC
KBPC1002	10	200	200	1.1	5.0	10	1.0	-	KBPC
KBPC1004	10	400	200	1.1	5.0	10	1.0	-	KBPC
KBPC1006	10	600	200	1.1	5.0	10	1.0	-	KBPC
KBPC1008	10	800	200	1.1	5.0	10	1.0	-	KBPC
KBPC1010	10	1000	200	1.1	5.0	10	1.0	-	KBPC
BR15005(W)	15	50	300	1.1	7.5	10	1.0	-	BR(W)
BR1501(W)	15	100	300	1.1	7.5	10	1.0	-	BR(W)
BR1502(W)	15	200	300	1.1	7.5	10	1.0	-	BR(W)
BR1504(W)	15	400	300	1.1	7.5	10	1.0	-	BR(W)



BR6



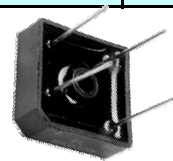
BR8



KBPC(W)



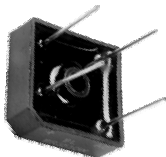
KBPC



BR(W)

Bridge rectifiers

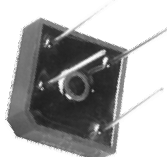
Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{fr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	mA	ns	
BR1506(W)	15	600	300	1.1	7.5	10	1.0	-	BR(W)
BR1508(W)	15	800	300	1.1	7.5	10	1.0	-	BR(W)
BR1510(W)	15	1000	300	1.1	7.5	10	1.0	-	BR(W)
BR15005	15	50	300	1.1	7.5	10	1.0	-	BR
BR1501	15	100	300	1.1	7.5	10	1.0	-	BR
BR1502	15	200	300	1.1	7.5	10	1.0	-	BR
BR1504	15	400	300	1.1	7.5	10	1.0	-	BR
BR1506	15	600	300	1.1	7.5	10	1.0	-	BR
BR1508	15	800	300	1.1	7.5	10	1.0	-	BR
BR1510	15	1000	300	1.1	7.5	10	1.0	-	BR
MP15005(W)	15	50	300	1.1	7.5	10	1.0	-	MP(W)
MP1501(W)	15	100	300	1.1	7.5	10	1.0	-	MP(W)
MP1502(W)	15	200	300	1.1	7.5	10	1.0	-	MP(W)
MP1504(W)	15	400	300	1.1	7.5	10	1.0	-	MP(W)
MP1506(W)	15	600	300	1.1	7.5	10	1.0	-	MP(W)
MP1508(W)	15	800	300	1.1	7.5	10	1.0	-	MP(W)
MP1510(W)	15	1000	300	1.1	7.5	10	1.0	-	MP(W)
MP15005	15	50	300	1.1	7.5	10	1.0	-	MP
MP1501	15	100	300	1.1	7.5	10	1.0	-	MP
MP1502	15	200	300	1.1	7.5	10	1.0	-	MP
MP1504	15	400	300	1.1	7.5	10	1.0	-	MP
MP1506	15	600	300	1.1	7.5	10	1.0	-	MP
MP1508	15	800	300	1.1	7.5	10	1.0	-	MP
MP1510	15	1000	300	1.1	7.5	10	1.0	-	MP
KBPC15005(W)	15	50	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC1501(W)	15	100	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC1502(W)	15	200	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC1504(W)	15	400	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC1506(W)	15	600	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC1508(W)	15	800	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC1510(W)	15	1000	300	1.1	7.5	10	1.0	-	KBPC(W)
KBPC15005	15	50	300	1.1	7.5	10	1.0	-	KBPC
KBPC1501	15	100	300	1.1	7.5	10	1.0	-	KBPC
KBPC1502	15	200	300	1.1	7.5	10	1.0	-	KBPC
KBPC1504	15	400	300	1.1	7.5	10	1.0	-	KBPC
KBPC1506	15	600	300	1.1	7.5	10	1.0	-	KBPC
KBPC1508	15	800	300	1.1	7.5	10	1.0	-	KBPC
KBPC1510	15	1000	300	1.1	7.5	10	1.0	-	KBPC



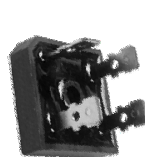
BR(W)



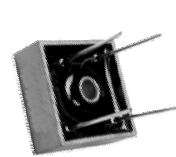
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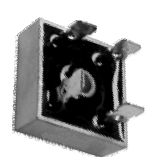
MP(W)



MP



KBPC(W)

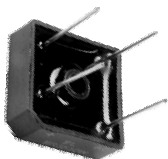


KBPC

Bridge rectifiers



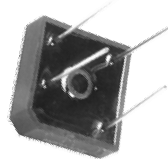
Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
BR25005(W)	25	50	300	1.1	12.5	10	1.0	-	BR(W)
BR2501(W)	25	100	300	1.1	12.5	10	1.0	-	BR(W)
BR2502(W)	25	200	300	1.1	12.5	10	1.0	-	BR(W)
BR2504(W)	25	400	300	1.1	12.5	10	1.0	-	BR(W)
BR2506(W)	25	600	300	1.1	12.5	10	1.0	-	BR(W)
BR2508(W)	25	800	300	1.1	12.5	10	1.0	-	BR(W)
BR2510(W)	25	1000	300	1.1	12.5	10	1.0	-	BR(W)
BR25005	25	50	300	1.1	12.5	10	1.0	-	BR
BR2501	25	100	300	1.1	12.5	10	1.0	-	BR
BR2502	25	200	300	1.1	12.5	10	1.0	-	BR
BR2504	25	400	300	1.1	12.5	10	1.0	-	BR
BR2506	25	600	300	1.1	12.5	10	1.0	-	BR
BR2508	25	800	300	1.1	12.5	10	1.0	-	BR
BR2510	25	1000	300	1.1	12.5	10	1.0	-	BR
MP25005(W)	25	50	300	1.1	12.5	10	1.0	-	MP(W)
MP2501(W)	25	100	300	1.1	12.5	10	1.0	-	MP(W)
MP2502(W)	25	200	300	1.1	12.5	10	1.0	-	MP(W)
MP2504(W)	25	400	300	1.1	12.5	10	1.0	-	MP(W)
MP2506(W)	25	600	300	1.1	12.5	10	1.0	-	MP(W)
MP2508(W)	25	800	300	1.1	12.5	10	1.0	-	MP(W)
MP2510(W)	25	1000	300	1.1	12.5	10	1.0	-	MP(W)
MP25005	25	50	300	1.1	12.5	10	1.0	-	MP
MP2501	25	100	300	1.1	12.5	10	1.0	-	MP
MP2502	25	200	300	1.1	12.5	10	1.0	-	MP
MP2504	25	400	300	1.1	12.5	10	1.0	-	MP
MP2506	25	600	300	1.1	12.5	10	1.0	-	MP
MP2508	25	800	300	1.1	12.5	10	1.0	-	MP
MP2510	25	1000	300	1.1	12.5	10	1.0	-	MP
KBPC25005(W)	25	50	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC2501(W)	25	100	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC2502(W)	25	200	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC2504(W)	25	400	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC2506(W)	25	600	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC2508(W)	25	800	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC2510(W)	25	1000	300	1.1	12.5	10	1.0	-	KBPC(W)
KBPC25005	25	50	300	1.1	12.5	10	1.0	-	KBPC
KBPC2501	25	100	300	1.1	12.5	10	1.0	-	KBPC
KBPC2502	25	200	300	1.1	12.5	10	1.0	-	KBPC



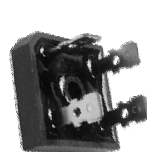
BR(W)



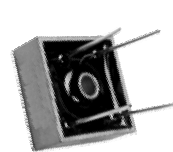
BR



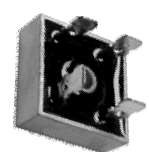
MP(W)



MP



KBPC(W)

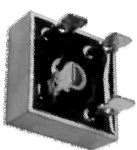


KBPC

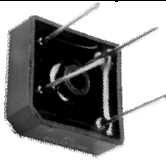
Bridge rectifiers



Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
KBPC2504	25	400	300	1.1	12.5	10	1.0	-	KBPC
KBPC2506	25	600	300	1.1	12.5	10	1.0	-	KBPC
KBPC2508	25	800	300	1.1	12.5	10	1.0	-	KBPC
KBPC2510	25	1000	300	1.1	12.5	10	1.0	-	KBPC
BR35005(W)	35	50	400	1.1	17.5	10	1.0	-	BR(W)
BR3501(W)	35	100	400	1.1	17.5	10	1.0	-	BR(W)
BR3502(W)	35	200	400	1.1	17.5	10	1.0	-	BR(W)
BR3504(W)	35	400	400	1.1	17.5	10	1.0	-	BR(W)
BR3506(W)	35	600	400	1.1	17.5	10	1.0	-	BR(W)
BR3508(W)	35	800	400	1.1	17.5	10	1.0	-	BR(W)
BR3510(W)	35	1000	400	1.1	17.5	10	1.0	-	BR(W)
BR35005	35	50	400	1.1	17.5	10	1.0	-	BR
BR3501	35	100	400	1.1	17.5	10	1.0	-	BR
BR3502	35	200	400	1.1	17.5	10	1.0	-	BR
BR3504	35	400	400	1.1	17.5	10	1.0	-	BR
BR3506	35	600	400	1.1	17.5	10	1.0	-	BR
BR3508	35	800	400	1.1	17.5	10	1.0	-	BR
BR3510	35	1000	400	1.1	17.5	10	1.0	-	BR
MP35005(W)	35	50	400	1.1	17.5	10	1.0	-	MP(W)
MP3501(W)	35	100	400	1.1	17.5	10	1.0	-	MP(W)
MP3502(W)	35	200	400	1.1	17.5	10	1.0	-	MP(W)
MP3504(W)	35	400	400	1.1	17.5	10	1.0	-	MP(W)
MP3506(W)	35	600	400	1.1	17.5	10	1.0	-	MP(W)
MP3508(W)	35	800	400	1.1	17.5	10	1.0	-	MP(W)
MP3510(W)	35	1000	400	1.1	17.5	10	1.0	-	MP(W)
MP35005	35	50	400	1.1	17.5	10	1.0	-	MP
MP3501	35	100	400	1.1	17.5	10	1.0	-	MP
MP3502	35	200	400	1.1	17.5	10	1.0	-	MP
MP3504	35	400	400	1.1	17.5	10	1.0	-	MP
MP3506	35	600	400	1.1	17.5	10	1.0	-	MP
MP3508	35	800	400	1.1	17.5	10	1.0	-	MP
MP3510	35	1000	400	1.1	17.5	10	1.0	-	MP
KBPC35005(W)	35	50	400	1.1	17.5	10	1.0	-	KBPC(W)
KBPC3501(W)	35	100	400	1.1	17.5	10	1.0	-	KBPC(W)
KBPC3502(W)	35	200	400	1.1	17.5	10	1.0	-	KBPC(W)
KBPC3504(W)	35	400	400	1.1	17.5	10	1.0	-	KBPC(W)
KBPC3506(W)	35	600	400	1.1	17.5	10	1.0	-	KBPC(W)
KBPC3508(W)	35	800	400	1.1	17.5	10	1.0	-	KBPC(W)



KBPC



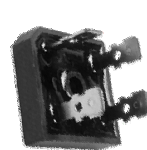
BR(W)



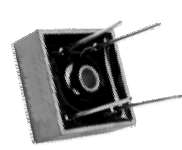
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MP(W)



MP



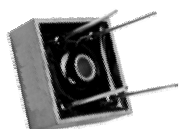
KBPC(W)

Bridge rectifiers

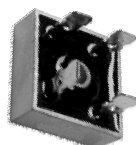


F23B431

Type	I _(AV)	V _{RRM}	I _{FSM}	V _{FM}		I _{RM}		t _{rr}	Case Style
		(I=I _{RM})		V _{FM}	I _(AV)	T _A =25℃	T _A =100℃		
	A	V	A	V	A	μA	mA	ns	
KBPC3510(W)	35	1000	400	1.1	17.5	10	1.0	-	KBPC(W)
KBPC35005	35	50	400	1.1	17.5	10	1.0	-	KBPC
KBPC3501	35	100	400	1.1	17.5	10	1.0	-	KBPC
KBPC3502	35	200	400	1.1	17.5	10	1.0	-	KBPC
KBPC3504	35	400	400	1.1	17.5	10	1.0	-	KBPC
KBPC3506	35	600	400	1.1	17.5	10	1.0	-	KBPC
KBPC3508	35	800	400	1.1	17.5	10	1.0	-	KBPC
KBPC3510	35	1000	400	1.1	17.5	10	1.0	-	KBPC
KBPC50005	50	50	500	1.1	25	10	1.0	-	KBPC
KBPC5001	50	100	500	1.1	25	10	1.0	-	KBPC
KBPC5002	50	200	500	1.1	25	10	1.0	-	KBPC
KBPC5004	50	400	500	1.1	25	10	1.0	-	KBPC
KBPC5006	50	600	500	1.1	25	10	1.0	-	KBPC
KBPC5008	50	800	500	1.1	25	10	1.0	-	KBPC
KBPC5010	50	1000	500	1.1	25	10	1.0	-	KBPC



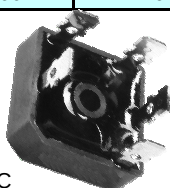
KBPC(W)



KBPC

Three phase bridge rectifiers

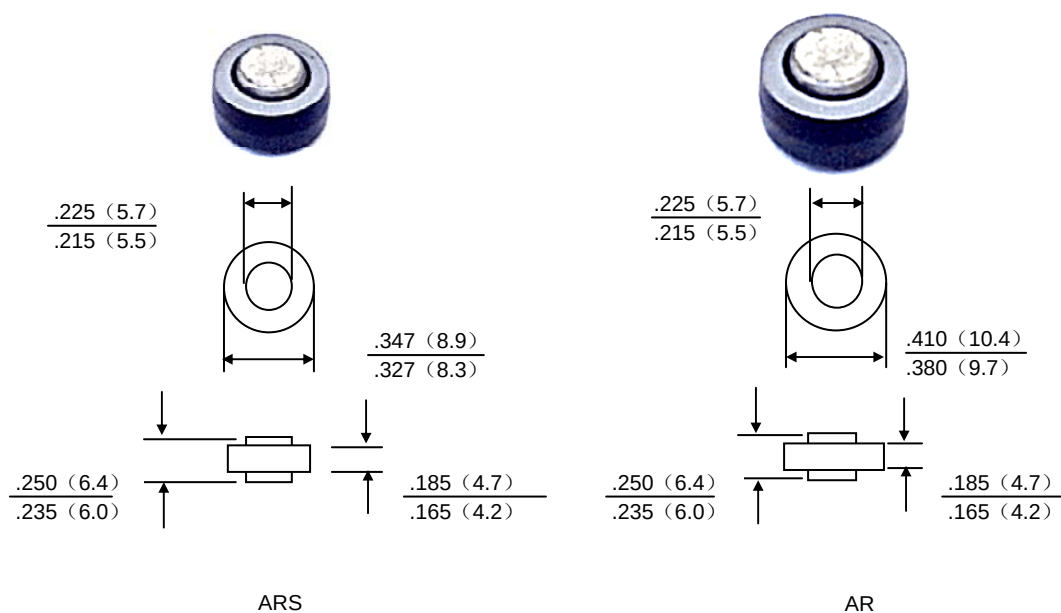
Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$	
	A	V	A	V	A	μA	mA	
DB15-005	15.0	50	250	1.05	7.5	10	1.0	SKBPC
DB15-01	15.0	100	250	1.05	7.5	10	1.0	SKBPC
DB15-02	15.0	200	250	1.05	7.5	10	1.0	SKBPC
DB15-04	15.0	400	250	1.05	7.5	10	1.0	SKBPC
DB15-06	15.0	600	250	1.05	7.5	10	1.0	SKBPC
DB15-08	15.0	800	250	1.05	7.5	10	1.0	SKBPC
DB15-10	15.0	1000	250	1.05	7.5	10	1.0	SKBPC
DB15-12	15.0	1200	250	1.05	7.5	10	1.0	SKBPC
DB15-14	15.0	1400	250	1.05	7.5	10	1.0	SKBPC
DB15-16	15.0	1600	250	1.05	7.5	10	1.0	SKBPC
DB25-005	25.0	50	350	1.05	12.5	10	1.0	SKBPC
DB25-01	25.0	100	350	1.05	12.5	10	1.0	SKBPC
DB25-02	25.0	200	350	1.05	12.5	10	1.0	SKBPC
DB25-04	25.0	400	350	1.05	12.5	10	1.0	SKBPC
DB25-06	25.0	600	350	1.05	12.5	10	1.0	SKBPC
DB25-08	25.0	800	350	1.05	12.5	10	1.0	SKBPC
DB25-10	25.0	1000	350	1.05	12.5	10	1.0	SKBPC
DB25-12	25.0	1200	350	1.05	12.5	10	1.0	SKBPC
DB25-14	25.0	1400	350	1.05	12.5	10	1.0	SKBPC
DB25-16	25.0	1600	350	1.05	12.5	10	1.0	SKBPC
DB35-005	35.0	50	450	1.05	17.5	10	1.0	SKBPC
DB35-01	35.0	100	450	1.05	17.5	10	1.0	SKBPC
DB35-02	35.0	200	450	1.05	17.5	10	1.0	SKBPC
DB35-04	35.0	400	450	1.05	17.5	10	1.0	SKBPC
DB35-06	35.0	600	450	1.05	17.5	10	1.0	SKBPC
DB35-08	35.0	800	450	1.05	17.5	10	1.0	SKBPC
DB35-10	35.0	1000	450	1.05	17.5	10	1.0	SKBPC
DB35-12	35.0	1200	450	1.05	17.5	10	1.0	SKBPC
DB35-14	35.0	1400	450	1.05	17.5	10	1.0	SKBPC
DB35-16	35.0	1600	450	1.05	17.5	10	1.0	SKBPC
SGBPC35005	35.0	50	500	1.19	12	10	5.0	SGBPC
SGBPC3501	35.0	100	500	1.19	12	10	5.0	SGBPC
SGBPC3502	35.0	200	500	1.19	12	10	5.0	SGBPC
SGBPC3504	35.0	400	500	1.19	12	10	5.0	SGBPC
SGBPC3506	35.0	600	500	1.19	12	10	5.0	SGBPC
SGBPC3508	35.0	800	500	1.19	12	10	5.0	SGBPC
SGBPC3510	35.0	1000	500	1.19	12	10	5.0	SGBPC
SGBPC3512	35.0	1200	500	1.19	12	10	5.0	SGBPC
SGBPC3514	35.0	1400	500	1.19	12	10	5.0	SGBPC
SGBPC3516	35.0	1600	500	1.19	12	10	5.0	SGBPC



SKBPC/SGBPC

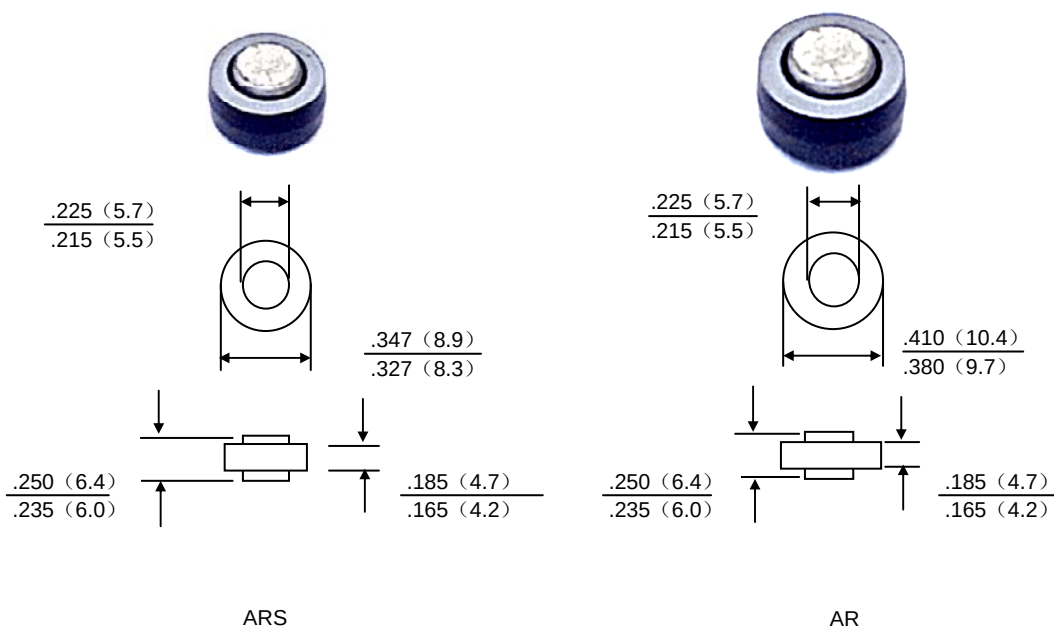
Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150°C	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
AR251	25	100	400	1.0	25	5.0	250	AR
AR252	25	200	400	1.0	25	5.0	250	AR
AR254	25	400	400	1.0	25	5.0	250	AR
AR256	25	600	400	1.0	25	5.0	250	AR
AR258	25	800	400	1.0	25	5.0	250	AR
ARS251	25	100	400	1.0	25	5.0	250	ARS
ARS252	25	200	400	1.0	25	5.0	250	ARS
ARS254	25	400	400	1.0	25	5.0	250	ARS
ARS256	25	600	400	1.0	25	5.0	250	ARS
ARS258	25	800	400	1.0	25	5.0	250	ARS
AR351	35	100	500	1.0	35	5.0	250	AR
AR352	35	200	500	1.0	35	5.0	250	AR
AR354	35	400	500	1.0	35	5.0	250	AR
AR356	35	600	500	1.0	35	5.0	250	AR
AR358	35	800	500	1.0	35	5.0	250	AR



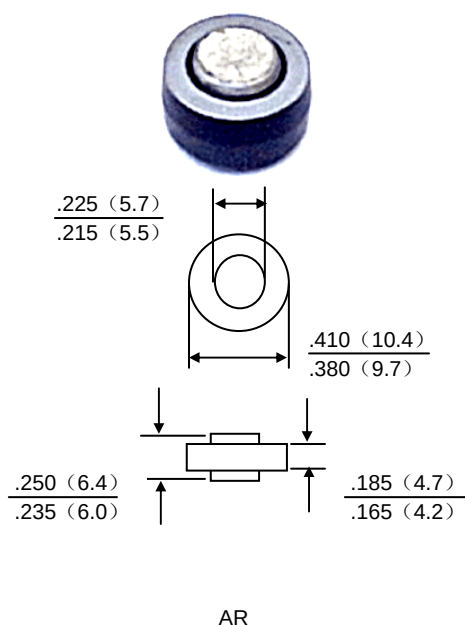
Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150°C	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current		Case Style
						T _C =25°C	T _C =100°C	
						I _{RM}	I _{RM}	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	μA	μA	
	A	V	A	V	A	μA	μA	
ARS351	35	100	500	1.0	35	5.0	250	ARS
ARS352	35	200	500	1.0	35	5.0	250	ARS
ARS354	35	400	500	1.0	35	5.0	250	ARS
ARS356	35	600	500	1.0	35	5.0	250	ARS
ARS358	35	800	500	1.0	35	5.0	250	ARS
AR501	50	100	500	1.1	50	5.0	250	AR
AR502	50	200	500	1.1	50	5.0	250	AR
AR504	50	400	500	1.1	50	5.0	250	AR
AR506	50	600	500	1.1	50	5.0	250	AR
AR508	50	800	500	1.1	50	5.0	250	AR
ARS501	50	100	500	1.1	50	5.0	250	ARS
ARS502	50	200	500	1.1	50	5.0	250	ARS
ARS504	50	400	500	1.1	50	5.0	250	ARS
ARS506	50	600	500	1.1	50	5.0	250	ARS
ARS508	50	800	500	1.1	50	5.0	250	ARS



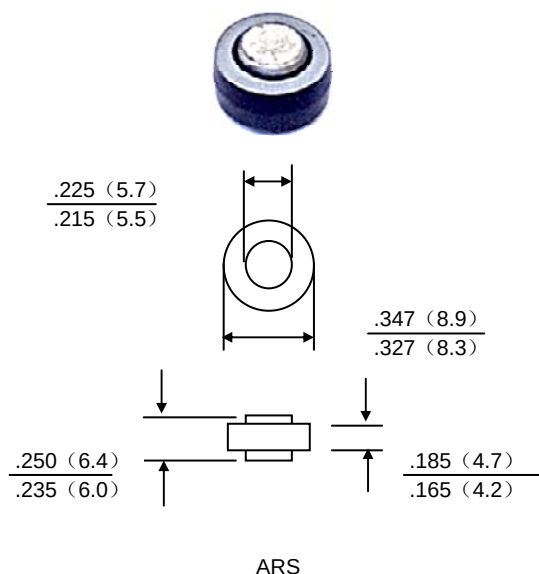
Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
	T _C =25°C					T _C =100°C		
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQ2524	25	20 ~ 26	400	1.0	25	5.0	250	AR
SZQ2528	25	24 ~ 32	400	1.0	25	5.0	250	AR
SZQ2534	25	30 ~ 36	400	1.0	25	5.0	250	AR
SZQ2538	25	34 ~ 42	400	1.0	25	5.0	250	AR
SZQ3524	35	20 ~ 26	500	1.0	35	5.0	250	AR
SZQ3528	35	24 ~ 32	500	1.0	35	5.0	250	AR
SZQ3534	35	30 ~ 36	500	1.0	35	5.0	250	AR
SZQ3538	35	34 ~ 42	500	1.0	35	5.0	250	AR
SZQ5024	50	20 ~ 26	500	1.1	50	5.0	250	AR
SZQ5028	50	24 ~ 32	500	1.1	50	5.0	250	AR
SZQ5034	50	30 ~ 36	500	1.1	50	5.0	250	AR
SZQ5038	50	34 ~ 42	500	1.1	50	5.0	250	AR



Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQS2524	25	20 ~ 26	400	1.0	25	5.0	250	ARS
SZQS2528	25	24 ~ 32	400	1.0	25	5.0	250	ARS
SZQS2534	25	30 ~ 36	400	1.0	25	5.0	250	ARS
SZQS2538	25	34 ~ 42	400	1.0	25	5.0	250	ARS
SZQS3524	35	20 ~ 26	500	1.0	35	5.0	250	ARS
SZQS3528	35	24 ~ 32	500	1.0	35	5.0	250	ARS
SZQS3534	35	30 ~ 36	500	1.0	35	5.0	250	ARS
SZQS3538	35	34 ~ 42	500	1.0	35	5.0	250	ARS
SZQS5024	50	20 ~ 26	500	1.1	50	5.0	250	ARS
SZQS5028	50	24 ~ 32	500	1.1	50	5.0	250	ARS
SZQS5034	50	30 ~ 36	500	1.1	50	5.0	250	ARS
SZQS5038	50	34 ~ 42	500	1.1	50	5.0	250	ARS

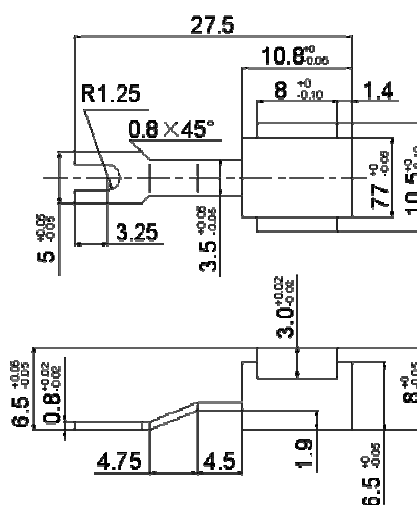
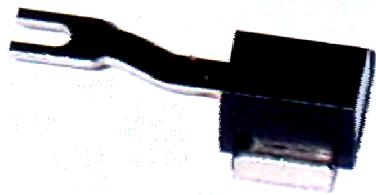


Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150°C	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current		Case Style	
	T _C =25°C		T _C =100°C						
	I _{FAV}		V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A		V	A	V	A	μA		μA
ZQA25A2	25	200	400	1.0	25	5.0	250	ZQA	
ZQA25A4	25	400	400	1.0	25	5.0	250	ZQA	
ZQA25A6	25	600	400	1.0	25	5.0	250	ZQA	
ZQA25K2	25	200	400	1.0	25	5.0	250	ZQA	
ZQA25K4	25	400	400	1.0	25	5.0	250	ZQA	
ZQA25K6	25	600	400	1.0	25	5.0	250	ZQA	
ZQA35A2	35	200	550	1.0	35	5.0	250	ZQA	
ZQA35A4	35	400	550	1.0	35	5.0	250	ZQA	
ZQA35A6	35	600	550	1.0	35	5.0	250	ZQA	
ZQA35K2	35	200	550	1.0	35	5.0	250	ZQA	
ZQA35K4	35	400	550	1.0	35	5.0	250	ZQA	
ZQA35K6	35	600	550	1.0	35	5.0	250	ZQA	
ZQA50A2	50	200	800	1.0	50	5.0	250	ZQA	
ZQA50A4	50	400	800	1.0	50	5.0	250	ZQA	
ZQA50A6	50	600	800	1.0	50	5.0	250	ZQA	
ZQA50K2	50	200	800	1.0	50	5.0	250	ZQA	
ZQA50K4	50	400	800	1.0	50	5.0	250	ZQA	
ZQA50K6	50	600	800	1.0	50	5.0	250	ZQA	

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



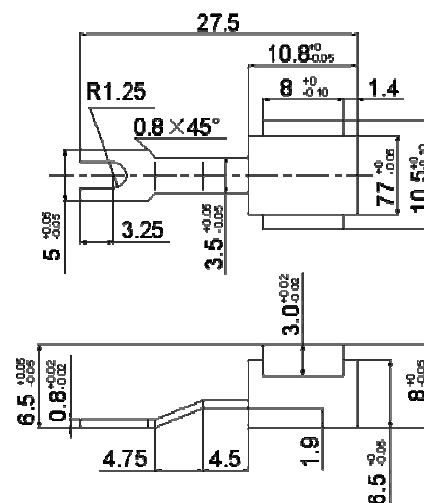
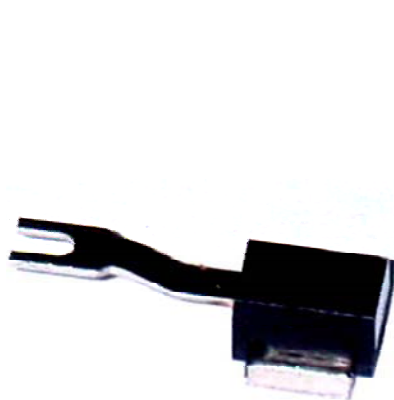
ZQA

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	T _C =25°C	T _C =100°C	
						I _{RM}	I _{RM}	
	A	V	A	V	A	μA	μA	
SZQA25A24	25	20 ~ 26	400	1.0	25	5.0	250	ZQA
SZQA25A28	25	24 ~ 32	400	1.0	25	5.0	250	ZQA
SZQA25A34	25	30 ~ 36	400	1.0	25	5.0	250	ZQA
SZQA25A38	25	34 ~ 42	400	1.0	25	5.0	250	ZQA
SZQA25K24	25	20 ~ 26	400	1.0	25	5.0	250	ZQA
SZQA25K28	25	24 ~ 32	400	1.0	25	5.0	250	ZQA
SZQA25K34	25	30 ~ 36	400	1.0	25	5.0	250	ZQA
SZQA25K38	25	34 ~ 42	400	1.0	25	5.0	250	ZQA
SZQA35A24	35	20 ~ 26	500	1.0	35	5.0	250	ZQA
SZQA35A28	35	24 ~ 32	500	1.0	35	5.0	250	ZQA
SZQA35A34	35	30 ~ 36	500	1.0	35	5.0	250	ZQA
SZQA35A38	35	34 ~ 42	500	1.0	35	5.0	250	ZQA

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



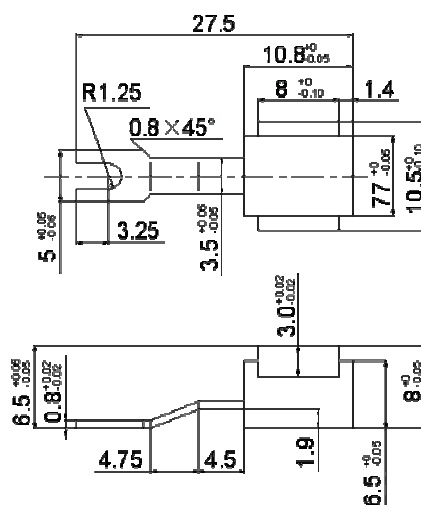
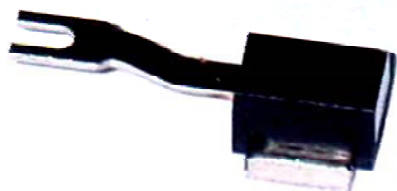
ZQA

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style	
	T _C =25°C		T _C =100°C						
	I _{FAV}		V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A		V	A	V	A	μA		μA
SZQA35K24	35	20 ~ 26	500	1.0	35	5.0	250	ZQA	
SZQA35K28	35	24 ~ 32	500	1.0	35	5.0	250	ZQA	
SZQA35K34	35	30 ~ 36	500	1.0	35	5.0	250	ZQA	
SZQA35K38	35	34 ~ 42	500	1.0	35	5.0	250	ZQA	
SZQA50A24	50	20 ~ 26	800	1.0	50	5.0	250	ZQA	
SZQA50A28	50	24 ~ 32	800	1.0	50	5.0	250	ZQA	
SZQA50A34	50	30 ~ 36	800	1.0	50	5.0	250	ZQA	
SZQA50A38	50	34 ~ 42	800	1.0	50	5.0	250	ZQA	
SZQA50K24	50	20 ~ 26	800	1.0	50	5.0	250	ZQA	
SZQA50K28	50	24 ~ 32	800	1.0	50	5.0	250	ZQA	
SZQA50K34	50	30 ~ 36	800	1.0	50	5.0	250	ZQA	
SZQA50K38	50	34 ~ 42	800	1.0	50	5.0	250	ZQA	

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



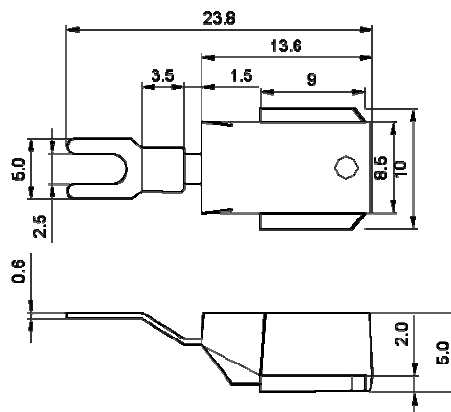
ZQA

Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150°C	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current		Case Style
	T _C =25°C					T _C =100°C		
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
ZQB25A2	25	200	400	1.0	25	5.0	250	ZQB
ZQB25A4	25	400	400	1.0	25	5.0	250	ZQB
ZQB25A6	25	600	400	1.0	25	5.0	250	ZQB
ZQB25K2	25	200	400	1.0	25	5.0	250	ZQB
ZQB25K4	25	400	400	1.0	25	5.0	250	ZQB
ZQB25K6	25	600	400	1.0	25	5.0	250	ZQB
ZQB35A2	35	200	550	1.0	35	5.0	250	ZQB
ZQB35A4	35	400	550	1.0	35	5.0	250	ZQB
ZQB35A6	35	600	550	1.0	35	5.0	250	ZQB
ZQB35K2	35	200	550	1.0	35	5.0	250	ZQB
ZQB35K4	35	400	550	1.0	35	5.0	250	ZQB
ZQB35K6	35	600	550	1.0	35	5.0	250	ZQB
ZQB50A2	50	200	800	1.0	50	5.0	250	ZQB
ZQB50A4	50	400	800	1.0	50	5.0	250	ZQB
ZQB50A6	50	600	800	1.0	50	5.0	250	ZQB
ZQB50K2	50	200	800	1.0	50	5.0	250	ZQB
ZQB50K4	50	400	800	1.0	50	5.0	250	ZQB
ZQB50K6	50	600	800	1.0	50	5.0	250	ZQB

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



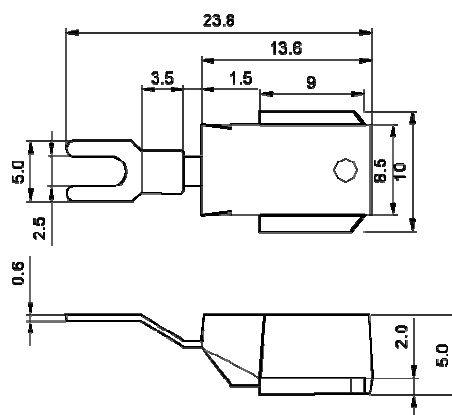
ZQB

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style		
	T _C =25°C		T _C =100°C							
	I _{FAV}		V _{RRM}			I _{FSM}	V _{FM}		I _{F(AV)}	I _{RM}
	A		V			A	V		A	μA
SZQB25A24	25	20 ~ 26	400	1.0	25	5.0	250	ZQB		
SZQB25A28	25	24 ~ 32	400	1.0	25	5.0	250	ZQB		
SZQB25A34	25	30 ~ 36	400	1.0	25	5.0	250	ZQB		
SZQB25A38	25	34 ~ 42	400	1.0	25	5.0	250	ZQB		
SZQB25K24	25	20 ~ 26	400	1.0	25	5.0	250	ZQB		
SZQB25K28	25	24 ~ 32	400	1.0	25	5.0	250	ZQB		
SZQB25K34	25	30 ~ 36	400	1.0	25	5.0	250	ZQB		
SZQB25K38	25	34 ~ 42	400	1.0	25	5.0	250	ZQB		
SZQB35A24	35	20 ~ 26	500	1.0	35	5.0	250	ZQB		
SZQB35A28	35	24 ~ 32	500	1.0	35	5.0	250	ZQB		
SZQB35A34	35	30 ~ 36	500	1.0	35	5.0	250	ZQB		
SZQB35A38	35	34 ~ 42	500	1.0	35	5.0	250	ZQB		

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



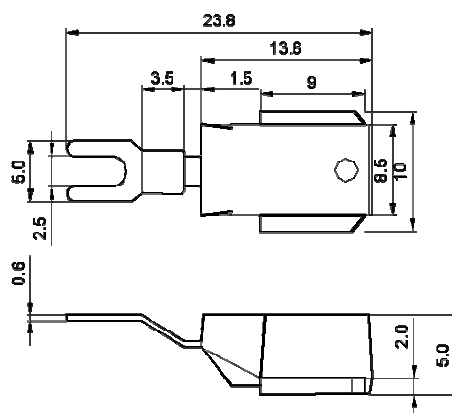
ZQB

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
	T _C =25°C		T _C =100°C					
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQB35K24	35	20 ~ 26	500	1.0	35	5.0	250	ZQB
SZQB35K28	35	24 ~ 32	500	1.0	35	5.0	250	ZQB
SZQB35K34	35	30 ~ 36	500	1.0	35	5.0	250	ZQB
SZQB35K38	35	34 ~ 42	500	1.0	35	5.0	250	ZQB
SZQB50A24	50	20 ~ 26	800	1.0	50	5.0	250	ZQB
SZQB50A28	50	24 ~ 32	800	1.0	50	5.0	250	ZQB
SZQB50A34	50	30 ~ 36	800	1.0	50	5.0	250	ZQB
SZQB50A38	50	34 ~ 42	800	1.0	50	5.0	250	ZQB
SZQB50K24	50	20 ~ 26	800	1.0	50	5.0	250	ZQB
SZQB50K28	50	24 ~ 32	800	1.0	50	5.0	250	ZQB
SZQB50K34	50	30 ~ 36	800	1.0	50	5.0	250	ZQB
SZQB50K38	50	34 ~ 42	800	1.0	50	5.0	250	ZQB

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



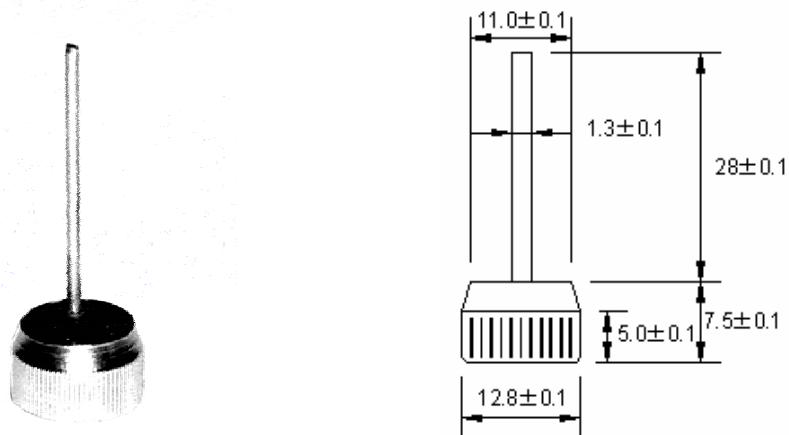
ZQB

Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150°C	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
ZQ25A2L1	25	200	400	1.0	25	5.0	250	ZL1
ZQ25A4L1	25	400	400	1.0	25	5.0	250	ZL1
ZQ25A6L1	25	600	400	1.0	25	5.0	250	ZL1
ZQ25K2L1	25	200	400	1.0	25	5.0	250	ZL1
ZQ25K4L1	25	400	400	1.0	25	5.0	250	ZL1
ZQ25K6L1	25	600	400	1.0	25	5.0	250	ZL1
ZQ35A2L1	35	200	550	1.0	35	5.0	250	ZL1
ZQ35A4L1	35	400	550	1.0	35	5.0	250	ZL1
ZQ35A6L1	35	600	550	1.0	35	5.0	250	ZL1
ZQ35K2L1	35	200	550	1.0	35	5.0	250	ZL1
ZQ35K4L1	35	400	550	1.0	35	5.0	250	ZL1
ZQ35K6L1	35	600	550	1.0	35	5.0	250	ZL1
ZQ50A2L1	50	200	800	1.0	50	5.0	250	ZL1
ZQ50A4L1	50	400	800	1.0	50	5.0	250	ZL1
ZQ50A6L1	50	600	800	1.0	50	5.0	250	ZL1
ZQ50K2L1	50	200	800	1.0	50	5.0	250	ZL1
ZQ50K4L1	50	400	800	1.0	50	5.0	250	ZL1
ZQ50K6L1	50	600	800	1.0	50	5.0	250	ZL1

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



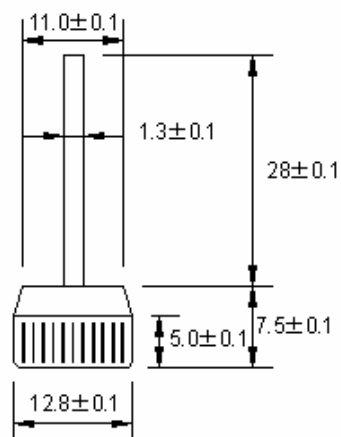
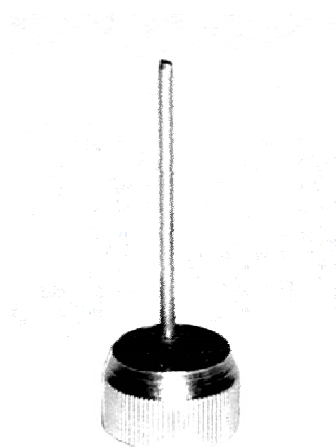
ZL1

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
					T _C =25°C	T _C =100°C		
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQ25A24L1	25	20 ~ 26	400	1.0	25	5.0	250	ZL1
SZQ25A28L1	25	24 ~ 32	400	1.0	25	5.0	250	ZL1
SZQ25A34L1	25	30 ~ 36	400	1.0	25	5.0	250	ZL1
SZQ25A38L1	25	34 ~ 42	400	1.0	25	5.0	250	ZL1
SZQ25K24L1	25	20 ~ 26	400	1.0	25	5.0	250	ZL1
SZQ25K28L1	25	24 ~ 32	400	1.0	25	5.0	250	ZL1
SZQ25K34L1	25	30 ~ 36	400	1.0	25	5.0	250	ZL1
SZQ25K38L1	25	34 ~ 42	400	1.0	25	5.0	250	ZL1
SZQ35A24L1	35	20 ~ 26	400	1.0	35	5.0	250	ZL1
SZQ35A28L1	35	24 ~ 32	400	1.0	35	5.0	250	ZL1
SZQ35A34L1	35	30 ~ 36	400	1.0	35	5.0	250	ZL1
SZQ35A38L1	35	34 ~ 42	400	1.0	35	5.0	250	ZL1

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



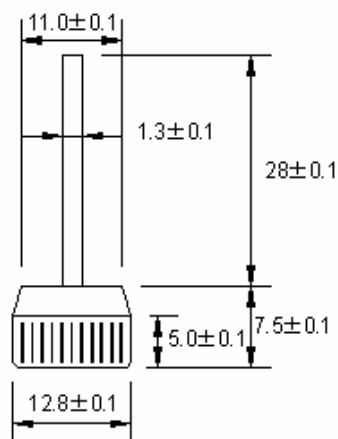
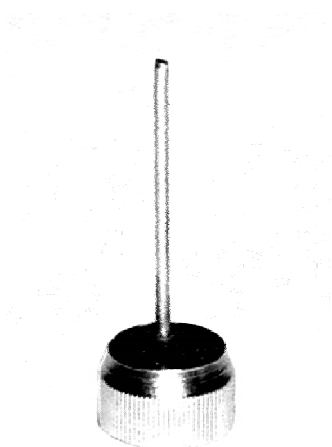
ZL1

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQ35K24L1	35	20 ~ 26	400	1.0	35	5.0	250	ZL1
SZQ35K28L1	35	24 ~ 32	400	1.0	35	5.0	250	ZL1
SZQ35K34L1	35	30 ~ 36	400	1.0	35	5.0	250	ZL1
SZQ35K38L1	35	34 ~ 42	400	1.0	35	5.0	250	ZL1
SZQ50A24L1	50	20 ~ 26	500	1.0	50	5.0	250	ZL1
SZQ50A28L1	50	24 ~ 32	500	1.0	50	5.0	250	ZL1
SZQ50A34L1	50	30 ~ 36	500	1.0	50	5.0	250	ZL1
SZQ50A38L1	50	34 ~ 42	500	1.0	50	5.0	250	ZL1
SZQ50K24L1	50	20 ~ 26	500	1.0	50	5.0	250	ZL1
SZQ50K28L1	50	24 ~ 32	500	1.0	50	5.0	250	ZL1
SZQ50K34L1	50	30 ~ 36	500	1.0	50	5.0	250	ZL1
SZQ50K38L1	50	34 ~ 42	500	1.0	50	5.0	250	ZL1

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



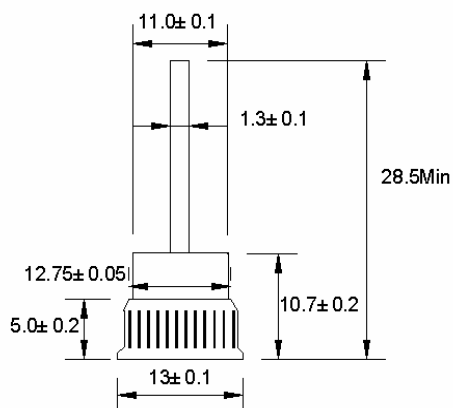
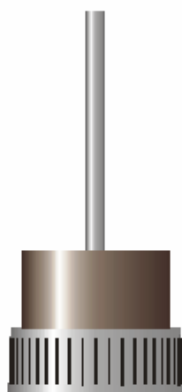
ZL1

Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150℃	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25℃		Maximum Reverse Current		Case Style
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	T _C =25℃	T _C =100℃	
						I _{RM}		
						μA	μA	
ZQ25A2L2	25	200	300	1.1	25	5.0	250	ZL2
ZQ25A4L2	25	400	300	1.1	25	5.0	250	ZL2
ZQ25A6L2	25	600	300	1.1	25	5.0	250	ZL2
ZQ25K2L2	25	200	300	1.1	25	5.0	250	ZL2
ZQ25K4L2	25	400	300	1.1	25	5.0	250	ZL2
ZQ25K6L2	25	600	300	1.1	25	5.0	250	ZL2
ZQ35A2L2	35	200	400	1.1	35	5.0	250	ZL2
ZQ35A4L2	35	400	400	1.1	35	5.0	250	ZL2
ZQ35A6L2	35	600	400	1.1	35	5.0	250	ZL2
ZQ35K2L2	35	200	400	1.1	35	5.0	250	ZL2
ZQ35K4L2	35	400	400	1.1	35	5.0	250	ZL2
ZQ35K6L2	35	600	400	1.1	35	5.0	250	ZL2
ZQ50A2L2	50	200	500	1.1	50	5.0	250	ZL2
ZQ50A4L2	50	400	500	1.1	50	5.0	250	ZL2
ZQ50A6L2	50	600	500	1.1	50	5.0	250	ZL2
ZQ50K2L2	50	200	500	1.1	50	5.0	250	ZL2
ZQ50K4L2	50	400	500	1.1	50	5.0	250	ZL2
ZQ50K6L2	50	600	500	1.1	50	5.0	250	ZL2

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



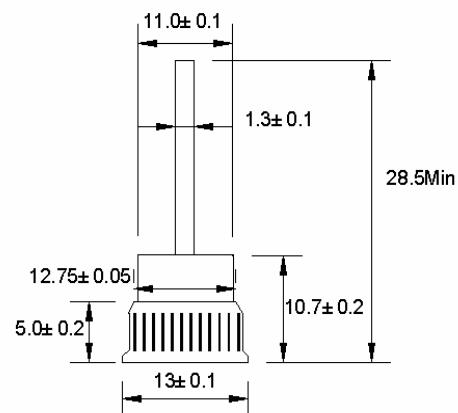
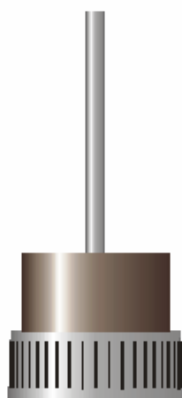
ZL2

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150℃	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25℃		Maximum Reverse Current @ 80% V _{ZM}		Case Style
						T _C =25℃	T _C =100℃	
						I _{FAV}	V _{RRM}		I_{FSM}	V_{FM}	I_{F(AV)}	I_{RM}
	A	V	A	V	A	μA	μA	
SZQ25A24L2	25	20 ~ 26	300	1.0	25	5.0	250	ZL2
SZQ25A28L2	25	24 ~ 32	300	1.0	25	5.0	250	ZL2
SZQ25A34L2	25	30 ~ 36	300	1.0	25	5.0	250	ZL2
SZQ25A38L2	25	34 ~ 42	300	1.0	25	5.0	250	ZL2
SZQ25K24L2	25	20 ~ 26	300	1.0	25	5.0	250	ZL2
SZQ25K28L2	25	24 ~ 32	300	1.0	25	5.0	250	ZL2
SZQ25K34L2	25	30 ~ 36	300	1.0	25	5.0	250	ZL2
SZQ25K38L2	25	34 ~ 42	300	1.0	25	5.0	250	ZL2
SZQ35A24L2	35	20 ~ 26	400	1.0	35	5.0	250	ZL2
SZQ35A28L2	35	24 ~ 32	400	1.0	35	5.0	250	ZL2
SZQ35A34L2	35	30 ~ 36	400	1.0	35	5.0	250	ZL2
SZQ35A38L2	35	34 ~ 42	400	1.0	35	5.0	250	ZL2

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



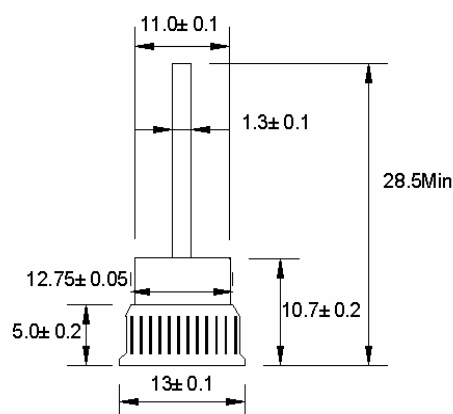
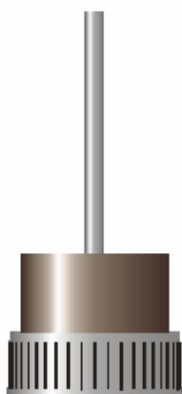
ZL2

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQ35K24L2	35	20 ~ 26	400	1.0	35	5.0	250	ZL2
SZQ35K28L2	35	24 ~ 32	400	1.0	35	5.0	250	ZL2
SZQ35K34L2	35	30 ~ 36	400	1.0	35	5.0	250	ZL2
SZQ35K38L2	35	34 ~ 42	400	1.0	35	5.0	250	ZL2
SZQ50A24L2	50	20 ~ 26	500	1.0	50	5.0	250	ZL2
SZQ50A28L2	50	24 ~ 32	500	1.0	50	5.0	250	ZL2
SZQ50A34L2	50	30 ~ 36	500	1.0	50	5.0	250	ZL2
SZQ50A38L2	50	34 ~ 42	500	1.0	50	5.0	250	ZL2
SZQ50K24L2	50	20 ~ 26	500	1.0	50	5.0	250	ZL2
SZQ50K28L2	50	24 ~ 32	500	1.0	50	5.0	250	ZL2
SZQ50K34L2	50	30 ~ 36	500	1.0	50	5.0	250	ZL2
SZQ50K38L2	50	34 ~ 42	500	1.0	50	5.0	250	ZL2

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



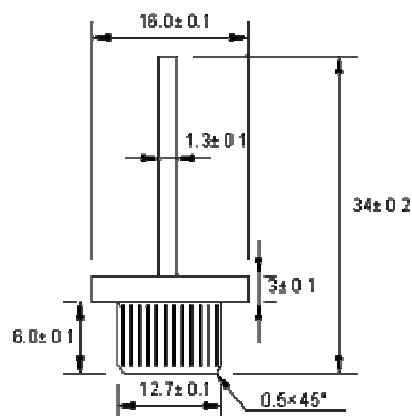
ZL2

Automotive rectifiers

Type	Maximum Average Rectified Current @T _C =150℃	Repetitive Peak Reverse Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25℃		Maximum Reverse Current		Case Style
						T _C =25℃	T _C =100℃	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
ZQ25A2L3	25	200	400	1.0	25	5.0	250	ZL3
ZQ25A4L3	25	400	400	1.0	25	5.0	250	ZL3
ZQ25A6L3	25	600	400	1.0	25	5.0	250	ZL3
ZQ25K2L3	25	200	400	1.0	25	5.0	250	ZL3
ZQ25K4L3	25	400	400	1.0	25	5.0	250	ZL3
ZQ25K6L3	25	600	400	1.0	25	5.0	250	ZL3
ZQ35A2L3	35	200	550	1.0	35	5.0	250	ZL3
ZQ35A4L3	35	400	550	1.0	35	5.0	250	ZL3
ZQ35A6L3	35	600	550	1.0	35	5.0	250	ZL3
ZQ35K2L3	35	200	550	1.0	35	5.0	250	ZL3
ZQ35K4L3	35	400	550	1.0	35	5.0	250	ZL3
ZQ35K6L3	35	600	550	1.0	35	5.0	250	ZL3
ZQ50A2L3	50	200	800	1.0	50	5.0	250	ZL3
ZQ50A4L3	50	400	800	1.0	50	5.0	250	ZL3
ZQ50A6L3	50	600	800	1.0	50	5.0	250	ZL3
ZQ50K2L3	50	200	800	1.0	50	5.0	250	ZL3
ZQ50K4L3	50	400	800	1.0	50	5.0	250	ZL3
ZQ50K6L3	50	600	800	1.0	50	5.0	250	ZL3

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



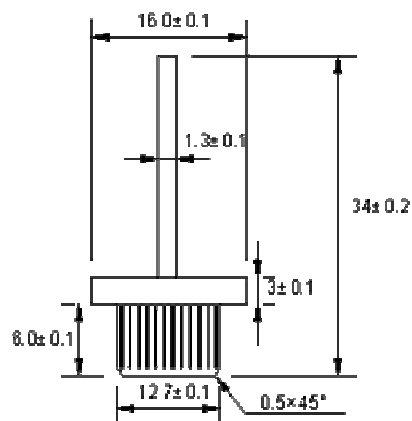
ZL3

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQ25A24L3	25	20 ~ 26	400	1.0	25	5.0	250	ZL3
SZQ25A28L3	25	24 ~ 32	400	1.0	25	5.0	250	ZL3
SZQ25A34L3	25	30 ~ 36	400	1.0	25	5.0	250	ZL3
SZQ25A38L3	25	34 ~ 42	400	1.0	25	5.0	250	ZL3
SZQ25K24L3	25	20 ~ 26	400	1.0	25	5.0	250	ZL3
SZQ25K28L3	25	24 ~ 32	400	1.0	25	5.0	250	ZL3
SZQ25K34L3	25	30 ~ 36	400	1.0	25	5.0	250	ZL3
SZQ25K38L3	25	34 ~ 42	400	1.0	25	5.0	250	ZL3
SZQ35A24L3	35	20 ~ 26	400	1.0	35	5.0	250	ZL3
SZQ35A28L3	35	24 ~ 32	400	1.0	35	5.0	250	ZL3
SZQ35A34L3	35	30 ~ 36	400	1.0	35	5.0	250	ZL3
SZQ35A38L3	35	34 ~ 42	400	1.0	35	5.0	250	ZL3

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



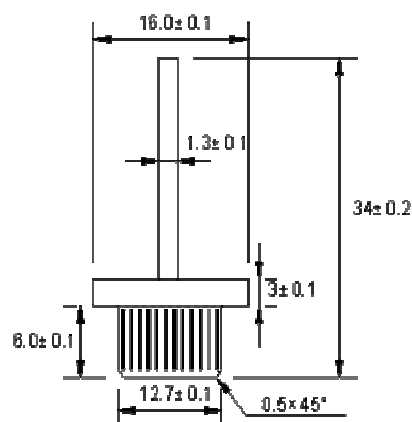
ZL3

Automotive rectifiers (snowslide)

Type	Maximum Average Rectified Current @T _C =150°C	Avalanche Voltage	Peak Forward Surge Current @ 8.3ms Half Sine-Wave	Maximum Forward Voltage T _A =25°C		Maximum Reverse Current @ 80% V _{ZM}		Case Style
						T _C =25°C	T _C =100°C	
	I _{FAV}	V _{RRM}	I _{FSM}	V _{FM}	I _{F(AV)}	I _{RM}		
	A	V	A	V	A	μA	μA	
SZQ35K24L3	35	20 ~ 26	400	1.0	35	5.0	250	ZL3
SZQ35K28L3	35	24 ~ 32	400	1.0	35	5.0	250	ZL3
SZQ35K34L3	35	30 ~ 36	400	1.0	35	5.0	250	ZL3
SZQ35K328L3	35	34 ~ 42	400	1.0	35	5.0	250	ZL3
SZQ50A24L3	50	20 ~ 26	500	1.0	50	5.0	250	ZL3
SZQ50A28L3	50	24 ~ 32	500	1.0	50	5.0	250	ZL3
SZQ50A34L3	50	30 ~ 36	500	1.0	50	5.0	250	ZL3
SZQ50A38L3	50	34 ~ 42	500	1.0	50	5.0	250	ZL3
SZQ50K24L3	50	20 ~ 26	500	1.0	50	5.0	250	ZL3
SZQ50K28L3	50	24 ~ 32	500	1.0	50	5.0	250	ZL3
SZQ50K34L3	50	30 ~ 36	500	1.0	50	5.0	250	ZL3
SZQ50K38L3	50	34 ~ 42	500	1.0	50	5.0	250	ZL3

*NOTE: "A": the lead is anode.

"K": the lead is cathode.



ZL3

Silicon Varistor

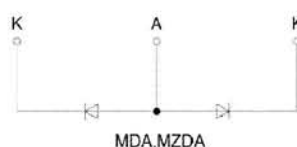
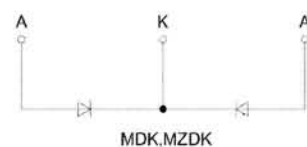
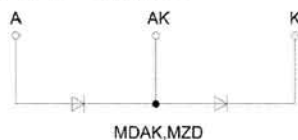
Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_r	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	μA	mA	ns	
VR60	0.4	-	35	0.15	1	-	-	-	DO-15
VR61	0.15	-	25	3.10 $\pm$ 0.25	0.07	-	-	-	DO-15



DO-15

RECTIFIER MODULE

1.MD, MZD---SERIES



$I_{F(AV)}$: 50A-500A, V_{RRM} : 50V-1800V.

Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MDAK50-02	200	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-02										
MDK50-02										
MDAK50-04	400	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-04										
MDK50-04										
MDAK50-06	600	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-06										
MDK50-06										
MDAK50-08	800	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-08										
MDK50-08										
MDAK50-10	1000	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-10										
MDK50-10										
MDAK50-12	1200	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-12										
MDK50-12										
MDAK50-14	1400	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-14										
MDK50-14										
MDAK50-16	1600	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-16										
MDK50-16										
MDAK50-18	1800	50	≤ 1	≤ 1.5	150	800	0.6	2500	1	A
MDA50-18										
MDK50-18										
MDAK100-02	200	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-02										
MDK100-02										
MDAK100-04	400	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-04										
MDK100-04										
MDAK100-06	600	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-06										
MDK100-06										



A



B

NOTE: d - dimension code f - Outline code

RECTIFIER MODULE

Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MDAK100-08	800	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-08										
MDK100-08										
MDAK100-10	1000	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-10										
MDK100-10										
MDAK100-12	1200	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-12										
MDK100-12										
MDAK100-14	1400	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-14										
MDK100-14										
MDAK100-16	1600	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-16										
MDK100-16										
MDAK100-18	1800	100	≤ 2	≤ 1.6	150	1600	0.4	2500	2	B
MDA100-18										
MDK100-18										
MZD100-02	200	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-02										
MZDK100-02										
MZD100-04	400	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-04										
MZDK100-04										
MZD100-06	600	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-06										
MZDK100-06										
MZD100-08	800	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-08										
MZDK100-08										
MZD100-10	1000	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-10										
MZDK100-10										
MZD100-12	1200	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-12										
MZDK100-12										
MZD100-14	1400	100	≤ 3	≤ 1.7	150	1600	0.4	2500	3	C
MZDA100-14										
MZDK100-14										
MZD100-16	1600	100	≤ 4	≤ 1.8	150	1600	0.4	2500	3	C
MZDA100-16										
MZDK100-16										

NOTE: d - dimension code f - Outline code



B

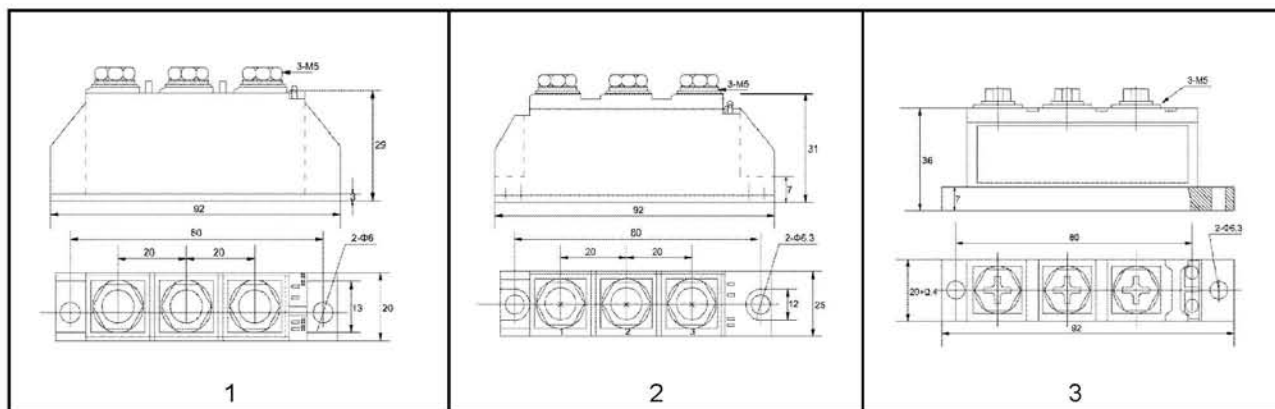
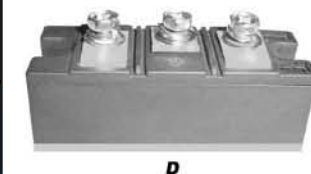
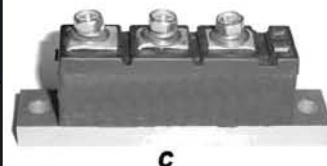


C

RECTIFIER MODULE

Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MZD100-18	1800	100	≤ 2	≤ 1.6	150	1600	0.4	2500	3	C
MZDA100-18										
MZDK100-18										
MDAK200-02	200	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-02										
MDK200-02										
MDAK200-04	400	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-04										
MDK200-04										
MDAK200-06	600	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-06										
MDK200-06										
MDAK200-08	800	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-08										
MDK200-08										
MDAK200-10	1000	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-10										
MDK200-10										
MDAK200-12	1200	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-12										
MDK200-12										
MDAK200-14	1400	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-14										
MDK200-14										
MDAK200-16	1600	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-16										
MDK200-16										
MDAK200-18	1800	200	≤ 5	≤ 1.6	150	3000	0.2	2500	4	D
MDA200-18										
MDK200-18										

NOTE: d - dimension code f - Outline code



RECTIFIER MODULE

Type	V _{RRM} (V)	I _{F(AV)} (A)	I _{RM} (mA)	V _{FM} (V)	T _{JM} (°C)	I _{FSM} (A)	R _{TH(J-C)} (°C/W)	(V)	d	f
MDAK300-02	200	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-02										
MDK300-02										
MDAK300-04	400	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-04										
MDK300-04										
MDAK300-06	600	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-06										
MDK300-06										
MDAK300-08	800	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-08										
MDK300-08										
MDAK300-10	1000	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-10										
MDK300-10										
MDAK300-12	1200	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-12										
MDK300-12										
MDAK300-14	1400	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-14										
MDK300-14										
MDAK300-16	1600	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-16										
MDK300-16										
MDAK300-18	1800	300	≤10	≤1.6	150	4300	0.15	2500	5	E
MDA300-18										
MDK300-18										
MDAK500-02	200	500	≤15	≤1.6	150	7000	0.1	2500	6	F
MDA500-02										
MDK500-02										
MDAK500-04	400	500	≤15	≤1.6	150	7000	0.1	2500	6	F
MDA500-04										
MDK500-04										
MDAK500-06	600	500	≤15	≤1.6	150	7000	0.1	2500	6	F
MDA500-06										
MDK500-06										
MDAK500-08	800	500	≤15	≤1.6	150	7000	0.1	2500	6	F
MDA500-08										
MDK500-08										
MDAK500-10	1000	500	≤15	≤1.6	150	7000	0.1	2500	6	F
MDA500-10										
MDK500-10										

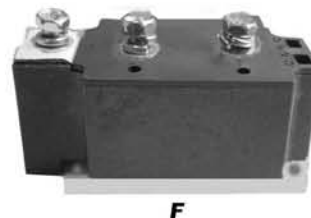
NOTE: d - dimension code f - Outline code


E

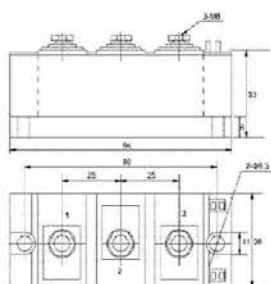
F

RECTIFIER MODULE

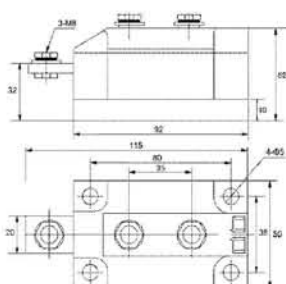
Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MDAK500-12	1200	500	≤ 15	≤ 1.6	150	7000	0.1	2500	6	F
MDA500-12										
MDK500-12										
MDAK500-14	1400	500	≤ 15	≤ 1.6	150	7000	0.1	2500	6	F
MDA500-14										
MDK500-14										
MDAK500-16	1600	500	≤ 15	≤ 1.6	150	7000	0.1	2500	6	F
MDA500-16										
MDK500-16										
MDAK500-18	1800	500	≤ 15	≤ 1.6	150	7000	0.1	2500	6	F
MDA500-18										
MDK500-18										



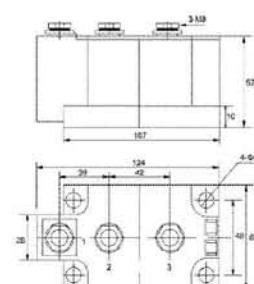
NOTE: d - dimension code f - Outline code



4

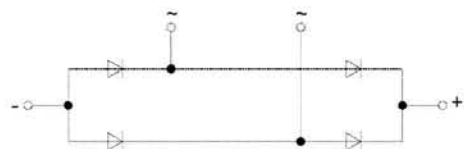


5



6

RECTIFIER MODULE



$I_{F(AV)}$: 35A-300A, V_{RRM} : 200V-1800V.

Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MDD35-02	200	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-04	400	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-06	600	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-08	800	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-10	1000	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-12	1200	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-15	1500	35	≤2	≤1.6	150	300	2	2500	7	G
MDD35-18	1800	35	≤2	≤1.6	150	300	2	2500	7	G
MDD50-02	200	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-04	400	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-06	600	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-08	800	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-10	1000	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-12	1200	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-15	1500	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD50-18	1800	50	≤3	≤1.6	150	400	1.5	2500	7	G
MDD70-02	200	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-04	400	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-06	600	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-08	800	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-10	1000	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-12	1200	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-15	1500	70	≤4	≤1.6	150	600	1	2500	8	H
MDD70-18	1800	70	≤4	≤1.6	150	600	1	2500	8	H
MDD100-02	200	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-04	400	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-06	600	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-08	800	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-10	1000	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-12	1200	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-15	1500	100	≤5	≤1.6	150	1100	0.5	2500	8	H
MDD100-18	1800	100	≤5	≤1.6	150	1100	0.5	2500	8	H



G



H

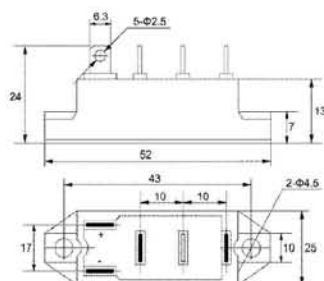
NOTE: d - dimension code f - Outline code

RECTIFIER MODULE

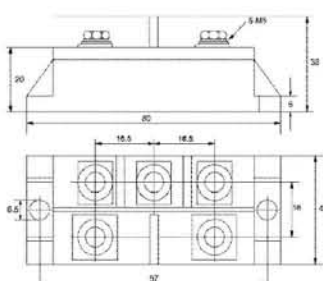
Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MDD150-02	200	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-04	400	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-06	600	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-08	800	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-10	1000	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-12	1200	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-15	1500	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD150-18	1800	150	≤8	≤1.6	150	1400	0.5	2500	10	I
MDD200-02	200	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-04	400	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-06	600	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-08	800	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-10	1000	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-12	1200	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-15	1500	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD200-18	1800	200	≤10	≤1.6	150	1700	0.4	2500	10	I
MDD300-02	200	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-04	400	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-06	600	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-08	800	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-10	1000	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-12	1200	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-15	1500	300	≤15	≤1.6	150	4300	0.3	2500	10	I
MDD300-18	1800	300	≤15	≤1.6	150	4300	0.3	2500	10	I



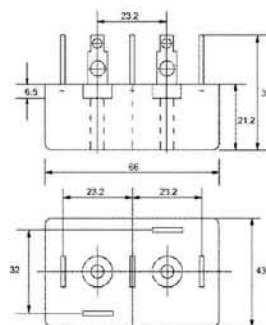
NOTE: d - dimension code f - Outline code



7



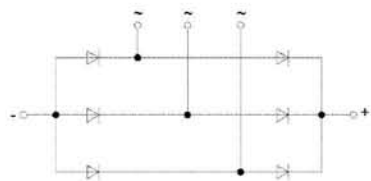
8



9

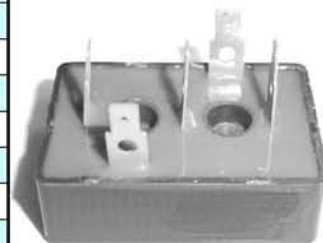
RECTIFIER MODULE

3.MZS---SERIES



$I_{F(AV)}$: 40A-400A, V_{RRM} : 200V-1800V.

Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MZS40-02	200	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-04	400	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-06	600	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-08	800	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-10	1000	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-12	1200	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-15	1500	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS40-18	1800	40	≤4	≤1.6	150	280	2.5	2500	9	J
MZS50-02	200	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-04	400	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-06	600	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-08	800	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-10	1000	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-12	1200	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-15	1500	50	≤4	≤1.6	150	300	2	2500	7	K
MZS50-18	1800	50	≤4	≤1.6	150	300	2	2500	7	K
MZS70-02	200	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-04	400	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-06	600	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-08	800	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-10	1000	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-12	1200	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-15	1500	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS70-18	1800	70	≤4.5	≤1.6	150	420	1.5	2500	8	L
MZS100-02	200	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-04	400	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-06	600	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-08	800	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-10	1000	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-12	1200	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-15	1500	100	≤5	≤1.6	150	650	0.8	2500	8	L
MZS100-18	1800	100	≤5	≤1.6	150	650	0.8	2500	8	L



J



K

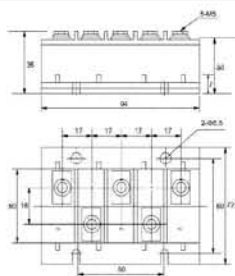


L

NOTE: d - dimension code f - Outline code

RECTIFIER MODULE

Type	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{RM} (mA)	V_{FM} (V)	T_{JM} (°C)	I_{FSM} (A)	$R_{TH(J-C)}$ (°C/W)	(V)	d	f
MZS150-02	200	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-04	400	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-06	600	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-08	800	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-10	1000	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-12	1200	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-15	1500	150	≤8	≤1.6	150	860	0.5	2500	10	M
MZS150-18	1800	150	≤8.9	≤1.6	150	860	0.5	2500	10	M
MZS200-02	200	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-04	400	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-06	600	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-08	800	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-10	1000	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-12	1200	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-15	1500	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS200-18	1800	200	≤10	≤1.6	150	1100	0.5	2500	10	M
MZS300-02	200	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-04	400	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-06	600	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-08	800	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-10	1000	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-12	1200	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-15	1500	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS300-18	1800	300	≤11	≤1.6	150	1700	0.3	2500	10	M
MZS400-02	200	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-04	400	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-06	600	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-08	800	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-10	1000	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-12	1200	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-15	1500	400	≤12	≤1.6	150	2500	0.25	2500	10	M
MZS400-18	1800	400	≤12	≤1.6	150	2500	0.25	2500	10	M



10

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
1N4942	1.0	200	30	1.3	1.0	5.0	100	150	DO-41
1N4944	1.0	400	30	1.3	1.0	5.0	100	150	DO-41
1N4946	1.0	600	30	1.3	1.0	5.0	100	250	DO-41
1N4947	1.0	800	30	1.3	1.0	5.0	100	250	DO-41
1N4948	1.0	1000	30	1.3	1.0	5.0	100	500	DO-41
1S1834	1.0	400	60	1.2	1.5	10	100	350	DO-15
1S1835	1.0	600	60	1.2	1.5	10	100	350	DO-15
1S1885	1.0	100	60	1.2	1.5	5.0	100	-	DO-15
1S1886	1.0	200	60	1.2	1.5	5.0	100	-	DO-15
1S1887	1.0	400	60	1.2	1.5	5.0	100	-	DO-15
1S1888	1.0	600	60	1.2	1.5	5.0	100	-	DO-15
1S1941	0.5	100	35	1.2	0.5	5.0	100	-	DO-15
1S1942	0.5	200	35	1.2	0.5	5.0	100	-	DO-15
1S1943	0.5	400	35	1.2	0.5	5.0	100	-	DO-15
1S1944	0.5	600	35	1.2	0.5	5.0	100	-	DO-15
31DF1	1.6	100	125	0.98	3.0	5.0	50	30	DO-27
31DF2	1.6	200	125	0.98	3.0	5.0	50	30	DO-27
31DF3	1.5	300	125	1.2	3.0	5.0	50	30	DO-27
31DF4	1.5	400	125	1.2	3.0	5.0	50	30	DO-27
31DF6	3.0	600	45	1.7	3.0	20	100	35	DO-27
3JH45	3.0	600	200	1.2	3.0	10	100	250	DO-27
3JH61	3.0	600	200	1.2	3.0	10	200	500	DO-27
3TH41	3.0	1500	200	1.5	3.5	10	200	800	DO-27
AG01Y	1.0	100	25	1.2	1.0	100	500	50	DO-41
AG01Z	0.7	200	15	1.8	0.7	100	500	50	DO-41
AG01	0.7	400	15	1.8	0.7	100	500	50	DO-41
AG01A	0.5	600	15	1.8	0.5	100	500	50	DO-41
BY127	1.0	1250	30	1.1	1.0	5.0	50	-	DO-41
BY133	1.0	1300	30	1.1	1.0	5.0	50	-	DO-41
BY228	2.5	1500	50	1.6	3.0	5.0	150	1000	DO-27
BY448	3.0	1500	30	1.6	3.0	5.0	100	1000	DO-27
BYD31D	0.5	200	5.0	1.35	0.5	5.0	100	250	DO-41
BYD31G	0.5	400	5.0	1.35	0.5	5.0	100	250	DO-41
BYD31J	0.5	600	5.0	1.35	0.5	5.0	100	250	DO-41
BYD31K	0.5	800	5.0	1.35	0.5	5.0	100	250	DO-41
BYD31M	0.5	1000	5.0	1.35	0.5	5.0	100	250	DO-41
BYD33D	1.3	200	20	1.3	1.0	5.0	100	250	DO-15
BYD33G	1.3	400	20	1.3	1.0	5.0	100	250	DO-15



DO-41



DO-15



DO-27

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
BYD33J	1.3	600	20	1.3	1.0	5.0	100	250	DO-15
BYD33K	1.3	800	20	1.3	1.0	5.0	100	300	DO-15
BYD33M	1.3	1000	20	1.3	1.0	5.0	100	300	DO-15
BYM26A	2.3	200	45	2.65	2.0	10	100	35	DO-27
BYM26B	2.3	400	45	2.65	2.0	10	100	30	DO-27
BYM26C	2.3	600	45	2.65	2.0	10	100	30	DO-27
BYM26D	2.3	800	45	2.65	2.0	10	100	75	DO-27
BYM26E	2.3	1000	45	2.65	2.0	10	100	75	DO-27
BYM32	3.0	200	200	0.95	3.0	10	100	-	DO-27
BYM36A	3.0	200	65	1.6	3.0	5.0	100	100	DO-27
BYM36B	3.0	400	65	1.6	3.0	5.0	100	100	DO-27
BYM36C	3.0	600	65	1.6	3.0	5.0	100	100	DO-27
BYM36D	2.9	800	65	1.78	3.0	5.0	100	150	DO-27
BYM36E	2.9	1000	65	1.78	3.0	5.0	100	150	DO-27
BYM36F	2.9	1200	65	1.57	3.0	5.0	100	250	DO-27
BYM36G	2.9	1400	65	1.57	3.0	5.0	100	250	DO-27
BYT42A	1.25	50	30	1.4	1.0	5.0	150	150	DO-15
BYT42B	1.25	100	30	1.4	1.0	5.0	150	150	DO-15
BYT42D	1.25	200	30	1.4	1.0	5.0	150	150	DO-15
BYT42G	1.25	400	30	1.4	1.0	5.0	150	150	DO-15
BYT42J	1.25	600	30	1.4	1.0	5.0	150	150	DO-15
BYT42K	1.25	800	30	1.4	1.0	5.0	150	200	DO-15
BYT42M	1.25	1000	30	1.4	1.0	5.0	150	200	DO-15
BYT52A	1.4	50	50	1.3	1.0	5.0	150	200	DO-15
BYT52B	1.4	100	50	1.3	1.0	5.0	150	200	DO-15
BYT52D	1.4	200	50	1.3	1.0	5.0	150	200	DO-15
BYT52G	1.4	400	50	1.3	1.0	5.0	150	200	DO-15
BYT52J	1.4	600	50	1.3	1.0	5.0	150	200	DO-15
BYT52K	1.4	800	50	1.3	1.0	5.0	150	200	DO-15
BYT52M	1.4	1000	50	1.3	1.0	5.0	150	200	DO-15
BYT56A	3.0	50	50	1.4	3.0	10	150	100	DO-27
BYT56B	3.0	100	50	1.4	3.0	10	150	100	DO-27
BYT56D	3.0	200	50	1.4	3.0	10	150	100	DO-27
BYT56G	3.0	400	50	1.4	3.0	10	150	100	DO-27
BYT56J	3.0	600	50	1.4	3.0	10	150	100	DO-27
BYT56K	3.0	800	50	1.4	3.0	10	150	100	DO-27
BYT56M	3.0	1000	50	1.4	3.0	10	150	100	DO-27
BYV12	1.5	100	60	1.3	1.5	5.0	50	300	DO-15



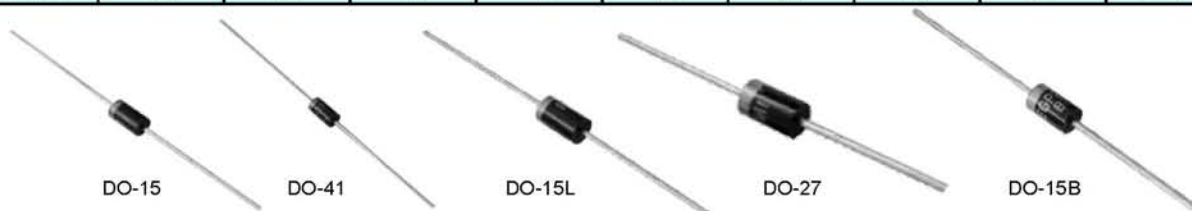
DO-15



DO-27

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
BYV13	1.5	400	60	1.3	1.5	5.0	50	300	DO-15
BYV14	1.5	600	60	1.3	1.5	5.0	50	300	DO-15
BYV15	1.5	800	60	1.3	1.5	5.0	50	300	DO-15
BYV16	1.5	1000	60	1.3	1.5	5.0	50	300	DO-15
BYV26A	1.0	200	30	2.5	1.0	5.0	100	30	DO-41
BYV26B	1.0	400	30	2.5	1.0	5.0	100	30	DO-41
BYV26C	1.0	600	30	2.5	1.0	5.0	100	30	DO-41
BYV26D	1.0	800	30	2.5	1.0	5.0	100	75	DO-41
BYV26E	1.0	1000	30	2.5	1.0	5.0	100	75	DO-41
BYV27-50	2.0	50	50	0.98	2.0	5.0	100	25	DO-15L
BYV27-100	2.0	100	50	0.98	2.0	5.0	100	25	DO-15L
BYV27-150	2.0	150	50	0.98	2.0	5.0	100	25	DO-15L
BYV27-200	2.0	200	50	0.98	2.0	5.0	100	25	DO-15L
BYV27-300	1.9	300	50	1.05	2.0	5.0	100	50	DO-15L
BYV27-400	1.9	400	50	1.05	2.0	5.0	100	50	DO-15L
BYV27-600	1.6	600	40	1.25	2.0	5.0	100	50	DO-15L
BYV28-50	3.5	50	90	1.02	3.5	5.0	100	35	DO-27
BYV28-100	3.5	100	90	1.02	3.5	5.0	100	25	DO-27
BYV28-150	3.5	150	90	1.02	3.5	5.0	100	25	DO-27
BYV28-200	3.5	200	90	1.02	3.5	5.0	100	25	DO-27
BYV28-300	3.5	300	90	1.05	3.5	5.0	100	25	DO-27
BYV28-400	3.5	400	90	1.05	3.5	5.0	100	50	DO-27
BYV28-600	3.0	600	90	1.25	3.5	5.0	100	50	DO-27
BYV36A	1.0	200	30	2.5	1.0	5.0	100	30	DO-41
BYV36B	1.0	400	30	2.5	1.0	5.0	100	30	DO-41
BYV36C	1.0	600	30	2.5	1.0	5.0	100	30	DO-41
BYV36D	1.0	800	30	2.5	1.0	5.0	100	75	DO-41
BYV36E	1.0	1000	30	2.5	1.0	5.0	100	75	DO-41
BYV95A	1.5	200	35	1.6	3.0	5.0	150	250	DO-15
BYV95B	1.5	400	35	1.6	3.0	5.0	150	250	DO-15
BYV95C	1.5	600	35	1.6	3.0	5.0	150	250	DO-15
BYV96D	1.5	800	35	1.6	3.0	5.0	150	300	DO-15
BYV96E	1.5	1000	35	1.6	3.0	5.0	150	300	DO-15
BYW100-200	1.5	200	50	0.85	1.5	10	500	35	DO-15B
BYW32	2.0	200	40	1.2	2.0	5.0	50	200	DO-15L
BYW33	2.0	300	40	1.2	2.0	5.0	50	200	DO-15L
BYW34	2.0	400	40	1.2	2.0	5.0	50	200	DO-15L
BYW35	2.0	500	40	1.2	2.0	5.0	50	200	DO-15L



OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
BYW36	2.0	600	40	1.2	2.0	5.0	50	200	DO-15L
BYW72	3.0	200	60	1.1	3.0	5.0	50	200	DO-27
BYW73	3.0	300	60	1.1	3.0	5.0	50	200	DO-27
BYW74	3.0	400	60	1.1	3.0	5.0	50	200	DO-27
BYW75	3.0	500	60	1.1	3.0	5.0	50	200	DO-27
BYW76	3.0	600	60	1.1	3.0	5.0	50	200	DO-27
BYW95A	3.0	200	70	1.5	3.0	10	100	250	DO-27
BYW95B	3.0	400	70	1.5	3.0	10	100	250	DO-27
BYW95C	3.0	600	70	1.5	3.0	10	100	250	DO-27
BYW96D	3.0	800	70	1.5	3.0	10	100	300	DO-27
BYW96E	3.0	1000	70	1.5	3.0	10	100	300	DO-27
DLE30B	3.0	100	150	0.98	3.0	10	100	35	DO-27
DLE30C	3.0	200	150	0.98	3.0	10	100	35	DO-27
DLE30E	3.0	400	150	1.3	3.0	10	100	35	DO-27
EG01Y	1.0	70	30	1.2	1.0	100	500	50	DO-41
EG01Z	0.7	200	15	0.9	0.7	50	300	50	DO-41
EG01	0.7	400	15	2.0	0.7	50	300	50	DO-41
EG01A	0.5	600	10	2.0	0.5	100	500	50	DO-41
EG01C	0.5	1000	10	3.3	0.5	50	50	50	DO-41
EG1Y	1.1	70	30	1.2	1.1	100	500	50	DO-41
EG1Z	0.8	200	15	1.7	0.8	50	300	50	DO-41
EG1	0.8	400	15	1.8	0.8	50	300	50	DO-41
EG1A	0.6	600	10	2.0	0.6	100	500	50	DO-41
EGP10A	1.0	50	30	0.95	1.0	5.0	100	50	DO-41
EGP10B	1.0	100	30	0.95	1.0	5.0	100	50	DO-41
EGP10C	1.0	150	30	0.95	1.0	5.0	100	50	DO-41
EGP10D	1.0	200	30	0.95	1.0	5.0	100	50	DO-41
EGP10F	1.0	300	30	1.25	1.0	5.0	100	50	DO-41
EGP10G	1.0	400	30	1.25	1.0	5.0	100	50	DO-41
EGP20A	2.0	50	75	0.95	2.0	5.0	100	50	DO-15
EGP20B	2.0	100	75	0.95	2.0	5.0	100	50	DO-15
EGP20C	2.0	150	75	0.95	2.0	5.0	100	50	DO-15
EGP20D	2.0	200	75	0.95	2.0	5.0	100	50	DO-15
EGP20F	2.0	300	75	1.25	2.0	5.0	100	50	DO-15
EGP20G	2.0	400	75	1.25	2.0	5.0	100	50	DO-15
EGP30A	3.0	50	125	0.95	3.0	5.0	100	50	DO-27
EGP30B	3.0	100	125	0.95	3.0	5.0	100	50	DO-27
EGP30C	3.0	150	125	0.95	3.0	5.0	100	50	DO-27



OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
EGP30D	3.0	200	125	0.95	3.0	5.0	100	50	DO-27
EGP30F	3.0	300	125	1.25	3.0	5.0	100	50	DO-27
EGP30G	3.0	400	125	1.25	3.0	5.0	100	50	DO-27
EM01Z	1.0	200	45	0.97	1.0	10	50	-	DO-41
EM01	1.0	400	45	0.97	1.0	10	50	-	DO-41
EM01A	1.0	600	45	0.97	1.0	10	50	-	DO-41
EM1Y	1.0	100	45	0.97	1.0	10	50	-	DO-41
EM1Z	1.0	200	45	0.97	1.0	10	50	-	DO-41
EM1	1.0	400	45	0.97	1.0	10	50	-	DO-41
EM1A	1.0	600	45	0.97	1.0	10	50	-	DO-41
EM1B	1.0	800	35	0.97	1.0	20	50	-	DO-41
EM1C	1.0	1000	35	0.97	1.0	20	50	-	DO-41
ERA15-01	1.0	100	40	1.0	1.0	5.0	50	-	DO-41
ERA15-02	1.0	200	40	1.0	1.0	5.0	50	-	DO-41
ERA15-04	1.0	400	40	1.0	1.0	5.0	50	-	DO-41
ERA15-06	1.0	600	40	1.0	1.0	5.0	50	-	DO-41
ERA15-08	1.0	800	40	1.0	1.0	5.0	50	-	DO-41
ERA15-10	1.0	1000	40	1.0	1.0	5.0	50	-	DO-41
ERA22-06	0.5	600	10	1.5	5.0	5.0	100	400	DO-41
ERA22-08	0.5	800	10	1.5	5.0	5.0	100	400	DO-41
ERA22-10	0.5	1000	10	1.5	5.0	5.0	100	400	DO-41
ERA32-01	1.0	100	40	0.92	1.0	5.0	100	100	DO-41
ERA32-02	1.0	200	40	0.92	1.0	5.0	100	100	DO-41
ERA34-10	0.1	1000	2	3.0	5.0	5.0	50	150	DO-41
ERA38-04	0.5	400	10	2.5	0.5	5.0	100	50	DO-41
ERA38-05	0.5	500	10	2.5	0.5	5.0	100	50	DO-41
ERA38-06	0.5	600	10	2.5	0.5	5.0	100	50	DO-41
ERB12-01	1.0	100	60	1.1	1.0	5.0	50	-	DO-41
ERB12-02	1.0	200	60	1.1	1.0	5.0	50	-	DO-41
ERB12-04	1.0	400	60	1.1	1.0	5.0	50	-	DO-41
ERB12-06	1.0	600	60	1.1	1.0	5.0	50	-	DO-41
ERB12-10	1.0	1000	60	1.1	1.0	5.0	50	-	DO-41
ERB32-01	1.2	100	50	0.92	1.2	5.0	100	100	DO-15
ERB32-02	1.2	200	50	0.92	1.2	5.0	100	100	DO-15
ERB35-02	1.0	200	30	1.1	1.0	5.0	100	100	DO-15
ERB37-08	1.0	800	30	3.0	5.0	5.0	50	250	DO-41
ERB37-10	1.0	1000	30	3.0	5.0	5.0	50	250	DO-41
ERB38-04	0.8	400	20	2.5	0.8	5.0	100	50	DO-41



DO-27



DO-41



DO-15

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
ERB38-05	0.8	500	20	2.5	0.8	5.0	100	50	DO-41
ERB38-06	0.8	600	20	2.5	0.8	5.0	100	50	DO-41
ERB43-02	0.5	200	10	1.2	5.0	5.0	100	400	DO-41
ERB43-04	0.5	400	10	1.2	5.0	5.0	100	400	DO-41
ERB44-02	1.0	200	30	1.1	1.0	5.0	100	400	DO-41
ERB44-04	1.0	400	30	1.1	1.0	5.0	100	400	DO-41
ERB44-06	1.0	600	30	1.1	1.0	5.0	100	400	DO-41
ERB44-08	1.0	800	30	1.1	1.0	5.0	100	400	DO-41
ERB44-10	1.0	1000	30	1.1	1.0	5.0	100	400	DO-41
ERC01-02	1.5	200	130	1.0	1.5	5.0	50	-	DO-15
ERC01-04	1.5	400	130	1.0	1.5	5.0	50	-	DO-15
ERC01-06	1.5	600	130	1.0	1.5	5.0	50	-	DO-15
ERC01-10	1.5	1000	130	1.0	1.5	5.0	50	-	DO-15
ERC04-02	1.2	200	100	1.1	4.0	10	50	-	DO-15
ERC04-04	1.2	400	100	1.1	4.0	10	50	-	DO-15
ERC04-06	1.2	600	100	1.1	4.0	10	50	-	DO-15
ERC04-10	1.2	1000	100	1.1	4.0	10	50	-	DO-15
ERC04-02F	1.5	200	100	1.1	4.0	10	50	-	DO-15
ERC04-04F	1.5	400	100	1.1	4.0	10	50	-	DO-15
ERC05-06	1.2	600	100	1.0	4.0	10	50	-	DO-15
ERC05-08	1.2	800	100	1.0	4.0	10	50	-	DO-15
ERC18-02	1.2	200	40	0.95	1.2	5.0	100	400	DO-15
ERC18-04	1.2	400	40	0.95	1.2	5.0	100	400	DO-15
ERC25-04	1.2	400	50	1.1	1.2	5.0	100	400	DO-15
ERC25-06	1.2	600	50	1.1	1.2	5.0	100	400	DO-15
ERC30-01	1.5	100	60	0.92	1.5	5.0	100	100	DO-15
ERC30-02	1.5	200	60	0.92	1.5	5.0	100	100	DO-15
ERC35-02	2.5	200	50	1.2	2.5	5.0	100	100	DO-27
ERC38-04	1.0	400	40	2.5	1.0	5.0	100	50	DO-41
ERC38-05	1.0	500	40	2.5	1.0	5.0	100	50	DO-41
ERC38-06	1.0	600	40	2.5	1.0	5.0	100	50	DO-41
ERD03-02	3.0	200	150	1.0	3.0	10	100	-	DO-27
ERD03-04	3.0	400	150	1.0	3.0	10	100	-	DO-27
ERD09-13	3.0	1300	70	1.5	3.0	10	200	600	DO-27
ERD09-15	3.0	1500	70	1.5	3.0	10	200	600	DO-27
ERD28-04	1.5	400	70	1.1	1.5	5.0	100	400	DO-15
ERD28-06	1.5	600	70	1.1	1.5	5.0	100	400	DO-15
ERD29-02	2.5	200	70	1.1	2.5	5.0	100	400	DO-27



DO-41



DO-15



DO-27

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
ERD29-04	2.5	400	70	1.1	2.5	5.0	100	400	DO-27
ERD29-06	2.5	600	70	1.1	2.5	5.0	100	400	DO-27
ERD38-04	1.5	400	80	2.5	1.5	5.0	100	50	DO-15
ERD38-05	1.5	500	80	2.5	1.5	5.0	100	50	DO-15
ERD38-06	1.5	600	80	2.5	1.5	5.0	100	50	DO-15
ES1F	0.5	1500	30	2.0	0.5	10	100	350	DO-41
ES1Z	0.7	200	30	2.5	0.7	10	100	350	DO-41
ES1	0.7	400	30	2.5	0.7	5.0	100	350	DO-41
ES1A	0.7	600	30	2.5	0.7	5.0	100	350	DO-41
EU01Z	0.25	200	15	2.5	0.25	10	150	100	DO-41
EU01	0.25	400	15	2.5	0.25	10	150	100	DO-41
EU01A	0.25	600	15	2.5	0.25	10	150	100	DO-41
EU02Z	1.0	200	15	1.4	1.0	10	300	100	DO-41
EU02	1.0	400	15	1.4	1.0	10	300	100	DO-41
EU02A	1.0	600	15	1.4	1.0	10	300	100	DO-41
EU1Z	0.25	200	15	2.5	0.25	10	150	150	DO-41
EU1	0.25	400	15	2.5	0.25	10	150	150	DO-41
EU1A	0.25	600	15	2.5	0.25	10	150	150	DO-41
EU1C	0.50	1000	15	2.5	0.50	10	150	150	DO-41
EU2YX	1.2	100	25	0.95	0.2	10	300	50	DO-41
EU2Z	1.0	200	15	1.40	1.0	10	300	100	DO-41
EU2	1.0	400	15	1.40	1.0	10	300	100	DO-41
EU2A	1.0	600	15	1.40	1.0	10	300	100	DO-41
MUR105	1.0	50	35	0.88	1.0	10	100	25	DO-41
MUR110	1.0	100	35	0.88	1.0	10	100	25	DO-41
MUR115	1.0	150	35	0.88	1.0	10	100	25	DO-41
MUR120	1.0	200	35	0.88	1.0	10	100	50	DO-41
MUR130	1.0	300	35	1.25	1.0	10	100	50	DO-41
MUR140	1.0	400	35	1.25	1.0	10	100	50	DO-41
MUR150	1.0	500	35	1.25	1.0	10	100	50	DO-41
MUR160	1.0	600	35	1.25	1.0	10	100	50	DO-41
MUR170	1.0	700	35	1.75	1.0	10	100	75	DO-41
MUR180	1.0	800	35	1.75	1.0	10	100	75	DO-41
MUR190	1.0	900	35	1.75	1.0	10	100	75	DO-41
MUR1100	1.0	1000	35	1.75	1.0	10	100	75	DO-41
MUR405	4.0	50	125	0.89	4.0	10	100	25	DO-27
MUR410	4.0	100	125	0.89	4.0	10	100	25	DO-27
MUR415	4.0	150	125	0.89	4.0	10	100	25	DO-27



DO-27



DO-15



DO-41

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
MUR420	4.0	200	125	1.28	4.0	10	100	25	DO-27
MUR430	4.0	300	125	1.28	4.0	10	100	50	DO-27
MUR440	4.0	400	125	1.28	4.0	10	100	50	DO-27
MUR450	4.0	500	125	1.28	4.0	10	100	50	DO-27
MUR460	4.0	600	125	1.28	4.0	10	100	50	DO-27
MUR470	4.0	700	125	1.85	4.0	10	100	75	DO-27
MUR480	4.0	800	125	1.85	4.0	10	100	75	DO-27
MUR490	4.0	900	125	1.85	4.0	10	100	75	DO-27
MUR4100	4.0	1000	125	1.85	4.0	10	100	75	DO-27
RC2	0.2	2000	20	2.0	0.2	10	300	1000	DO-41
RG2Y	1.5	70	50	1.1	1.5	500	2500	50	DO-15L
RG2Z	1.2	200	50	1.5	1.5	500	2500	50	DO-15L
RG2	1.2	400	50	1.8	1.5	500	2500	50	DO-15L
RG2A	1.0	600	50	2.0	1.0	500	2500	50	DO-15L
RG4Y	3.5	70	100	1.3	3.5	1000	5000	50	DO-27
RG4Z	3.0	200	80	1.7	3.0	1000	5000	50	DO-27
RG4	3.0	400	80	1.8	3.0	500	5000	50	DO-27
RG4A	2.0	600	50	2.0	2.0	500	2500	50	DO-27
RG4C	2.0	1000	60	3.0	2.0	500	2500	50	DO-27
RGP02-12E	0.5	1200	20	1.8	0.1	5.0	50	300	DO-41
RGP02-14E	0.5	1400	20	1.8	0.1	5.0	50	300	DO-41
RGP02-16E	0.5	1600	20	1.8	0.1	5.0	50	300	DO-41
RGP02-18E	0.5	1800	20	1.8	0.1	5.0	50	300	DO-41
RGP02-20E	0.5	2000	20	1.8	0.1	5.0	50	300	DO-41
RGP10A	1.0	50	30	1.3	1.0	10	200	150	DO-41
RGP10B	1.0	100	30	1.3	1.0	10	200	150	DO-41
RGP10D	1.0	200	30	1.3	1.0	10	200	150	DO-41
RGP10G	1.0	400	30	1.3	1.0	10	200	150	DO-41
RGP10J	1.0	600	30	1.3	1.0	10	200	250	DO-41
RGP10K	1.0	800	30	1.3	1.0	10	200	500	DO-41
RGP10M	1.0	1000	30	1.3	1.0	10	200	500	DO-41
RGP15A	1.5	50	50	1.3	1.5	5.0	200	150	DO-15
RGP15B	1.5	100	50	1.3	1.5	5.0	200	150	DO-15
RGP15D	1.5	200	50	1.3	1.5	5.0	200	150	DO-15
RGP15G	1.5	400	50	1.3	1.5	5.0	200	150	DO-15
RGP15J	1.5	600	50	1.3	1.5	5.0	200	250	DO-15
RGP15K	1.5	800	50	1.3	1.5	5.0	200	500	DO-15
RGP15M	1.5	1000	50	1.3	1.5	5.0	200	500	DO-15



DO-27



DO-41



DO-15L



DO-15

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
RL4A	3.0	600	80	1.5	3.0	50	100	35	DO-27
RL4Z	3.5	200	80	0.95	3.5	150	500	35	DO-27
RM11A	1.2	600	100	0.92	1.5	10	50	-	DO-15L
RM11B	1.2	800	100	0.92	1.5	10	50	-	DO-15L
RM11C	1.2	1000	100	0.92	1.5	10	50	-	DO-15L
RM2Z	1.2	200	100	0.91	1.5	10	50	-	DO-15L
RM2	1.2	400	100	0.91	1.5	10	50	-	DO-15L
RM2A	1.2	600	100	0.91	1.5	10	50	-	DO-15L
RM2B	1.2	800	100	0.91	1.5	10	50	-	DO-15L
RM2C	1.2	1000	100	0.91	1.5	10	50	-	DO-15L
RN1Z	1.5	200	60	0.92	1.5	20	3000	50	DO-15
RN2Z	2.0	200	70	0.92	2.0	50	4000	50	DO-15
RN3Z	3.0	200	80	0.92	3.0	50	6000	50	DO-27
RN4Z	3.5	200	120	0.92	3.5	50	6000	50	DO-27
RP1H	0.1	2000	5	7.0	0.1	20	200	50	DO-15L
RS3FS	2.0	1500	50	1.1	3.0	5.0	50	500	DO-27
RU1P	0.4	1000	10	4.0	0.1	5.0	50	50	DO-15L
RU2M	1.1	400	20	1.2	1.1	10	300	100	DO-15L
RU2AM	1.1	600	20	1.2	1.1	10	300	100	DO-15L
RU2YX	1.5	100	30	0.95	1.5	10	300	50	DO-15L
RU2Z	1.0	200	20	1.5	1.0	10	300	100	DO-15L
RU2	1.0	600	20	1.5	1.0	10	300	100	DO-15L
RU2B	1.0	800	20	1.5	1.0	10	300	100	DO-15L
RU2C	0.8	1000	20	1.5	1.0	10	300	100	DO-15L
RU3YX	2.0	100	50	0.95	2.0	10	300	50	DO-15B
RU3	1.5	400	20	1.5	1.5	10	400	100	DO-15B
RU3A	1.5	600	20	1.5	1.5	10	400	100	DO-15B
RU3B	1.1	800	20	1.5	1.1	10	400	100	DO-15B
RU3C	1.5	1000	20	2.5	1.5	10	400	100	DO-15B
RU4D	1.5	1300	50	1.8	1.5	50	500	100	DO-27
RU4DS	2.5	1300	50	1.8	3.0	50	500	100	DO-27
RU4M	3.5	400	70	1.3	3.5	10	300	100	DO-27
RU4AM	3.5	600	70	1.3	3.5	10	300	100	DO-27
RU4Y	3.5	100	70	1.3	3.5	10	300	100	DO-27
RU4Z	3.5	200	70	1.3	3.5	10	300	100	DO-27
RU4	3.0	400	50	1.5	3.0	10	300	100	DO-27
RU4A	3.0	600	50	1.5	3.0	10	300	100	DO-27
RU4B	3.0	800	50	1.6	3.0	10	500	100	DO-27



DO-27



DO-15L



DO-15



DO-15B

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
RU4C	2.5	1000	50	1.6	2.5	50	500	100	DO-27
RU4YX	4.0	100	100	0.85	2.0	10	300	50	DO-27
RU20A	1.5	600	50	1.1	1.5	10	300	100	DO-15L
RU30Z	3.5	200	80	0.97	3.5	10	300	100	DO-27
RU30	2.0	400	200	0.95	2.0	10	300	100	DO-27
RU30A	2.0	600	200	0.95	2.0	10	300	100	DO-27
SG10A	1.0	50	30	1.3	1.0	10	200	150	DO-15
SG10B	1.0	100	30	1.3	1.0	10	200	150	DO-15
SG10D	1.0	200	30	1.3	1.0	10	200	150	DO-15
SG10G	1.0	400	30	1.3	1.0	10	200	150	DO-15
SG10J	1.0	600	30	1.3	1.0	10	200	250	DO-15
SG10K	1.0	800	30	1.3	1.0	10	200	500	DO-15
SG10M	1.0	1000	30	1.3	1.0	10	200	500	DO-15
SG15A	1.5	50	50	1.3	1.5	5.0	200	150	DO-15
SG15B	1.5	100	50	1.3	1.5	5.0	200	150	DO-15
SG15D	1.5	200	50	1.3	1.5	5.0	200	150	DO-15
SG15G	1.5	400	50	1.3	1.5	5.0	200	150	DO-15
SG15J	1.5	600	50	1.3	1.5	5.0	200	250	DO-15
SG15K	1.5	800	50	1.3	1.5	5.0	200	500	DO-15
SG15M	1.5	1000	50	1.3	1.5	5.0	200	500	DO-15
STPR320	3.0	200	30	0.99	3.0	10	100	35	DO-15B
TVR1B	0.5	100	10	1.2	0.5	5.0	50	100	DO-41
TVR1D	0.5	200	10	1.2	0.5	5.0	50	100	DO-41
TVR1G	0.5	400	10	1.2	0.5	5.0	50	100	DO-41
TVR1J	0.5	600	10	1.2	0.5	5.0	50	100	DO-41
TVR2B	0.5	100	30	1.4	1.0	10	100	1000	DO-41
TVR2D	0.5	200	30	1.4	1.0	10	100	1000	DO-41
TVR2G	0.5	400	30	1.4	1.0	10	100	1000	DO-41
TVR2J	0.5	600	30	1.4	1.0	10	100	1000	DO-41
TVR4J	1.5	600	40	1.3	1.5	5.0	100	1000	DO-15
TVR4N	1.5	1000	40	1.3	1.5	10	100	1000	DO-15
UGP10A	1.0	50	30	0.95	1.0	5.0	50	35	DO-41
UGP10B	1.0	100	30	0.95	1.0	5.0	50	35	DO-41
UGP10D	1.0	200	30	0.95	1.0	5.0	50	35	DO-41
UGP10F	1.0	300	30	1.25	1.0	5.0	50	35	DO-41
UGP10G	1.0	400	30	1.25	1.0	5.0	50	35	DO-41
UGP10J	1.0	600	25	1.7	1.0	5.0	50	35	DO-41
UGP10K	1.0	800	25	2.2	1.0	5.0	50	35	DO-41



DO-27



DO-15L



DO-15



DO-15B



DO-41

OTHER DIODES

Type	$I_{(AV)}$	V_{RRM}	I_{FSM}	V_{FM}		I_{RM}		t_{rr}	Case Style
		$(I=I_{RM})$		V_{FM}	$I_{(AV)}$	$T_A=25^{\circ}C$	$T_A=100^{\circ}C$		
	A	V	A	V	A	mA	mA	ns	
UGP20A	2.0	50	125	0.95	2.0	5.0	120	35	DO-15
UGP20B	2.0	100	125	0.95	2.0	5.0	120	35	DO-15
UGP20D	2.0	200	125	0.95	2.0	5.0	120	35	DO-15
UGP20F	2.0	300	125	1.25	2.0	5.0	120	35	DO-15
UGP20G	2.0	400	125	1.25	2.0	5.0	120	35	DO-15
UGP20J	2.0	600	125	1.7	2.0	5.0	120	35	DO-15
UGP20K	2.0	800	125	2.2	2.0	5.0	120	35	DO-15
UGP30A	3.0	50	125	0.95	3.0	5.0	120	35	DO-27
UGP30B	3.0	100	125	0.95	3.0	5.0	120	35	DO-27
UGP30D	3.0	200	125	0.95	3.0	5.0	120	35	DO-27
UGP30F	3.0	300	125	1.25	3.0	5.0	120	35	DO-27
UGP30G	3.0	400	125	1.25	3.0	5.0	120	35	DO-27
UGP30J	3.0	600	115	1.7	3.0	5.0	120	35	DO-27
UGP30K	3.0	800	115	2.2	3.0	5.0	120	35	DO-27



DO-15



DO-27

CASE STYLE AND OUTLINE DIMENSIONS

FIG.1

DO-219-AB / SOD-123FL

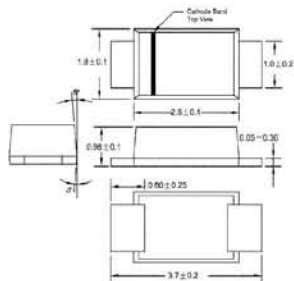


FIG. 2

DO-213AA

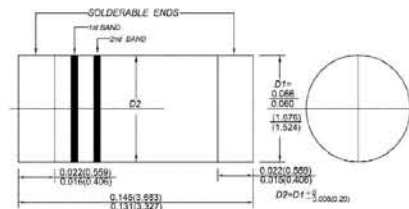


FIG. 3

DO-213AB

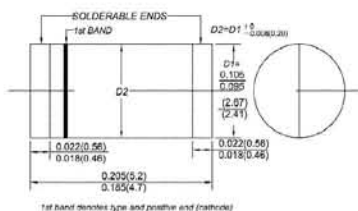


FIG. 4

MINI - MELF / SOD-80 / LL34

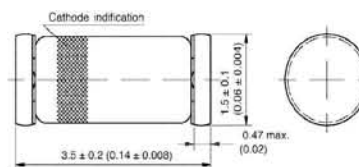


FIG. 5

MELF / DL41

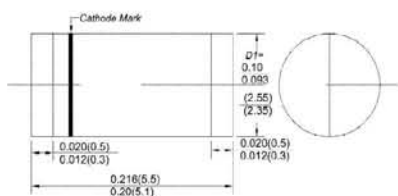
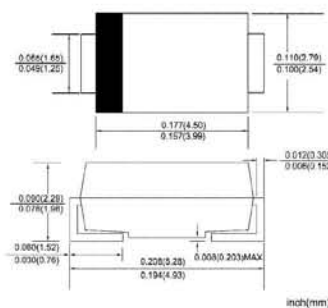


FIG. 6

SMA / DO-214AC



CASE STYLE AND OUTLINE DIMENSIONS

FIG. 7

SMB / DO-214AA

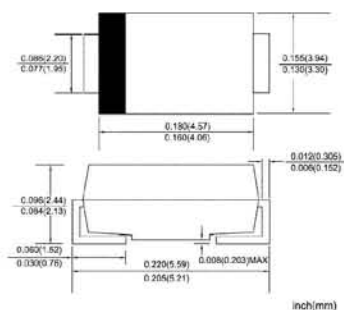


FIG. 8

SMC / DO-214AB

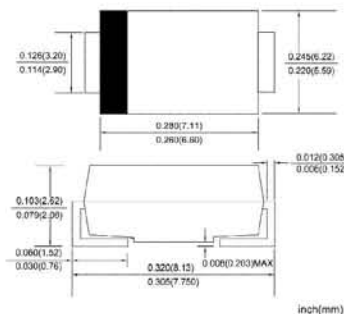


FIG. 9

DO - 35(G) / DO-204AH

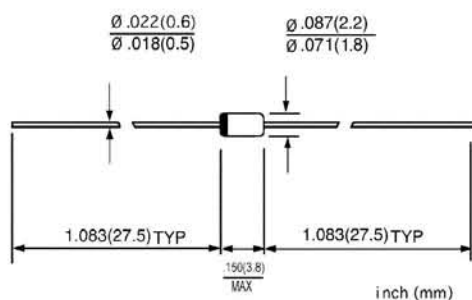


FIG. 10

DO - 41(G)

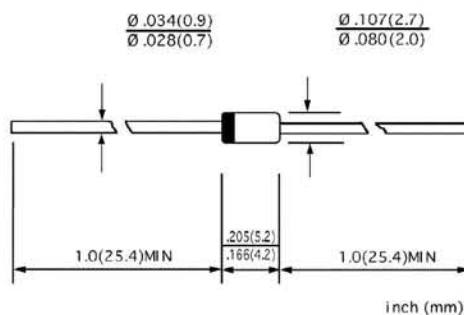


FIG. 11

R - 1

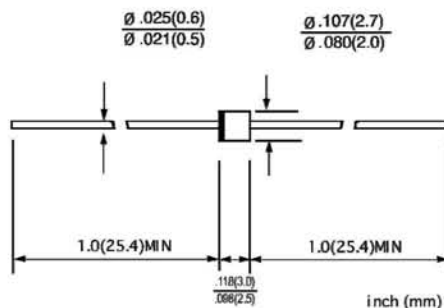
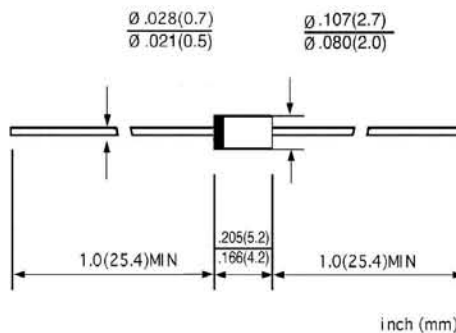
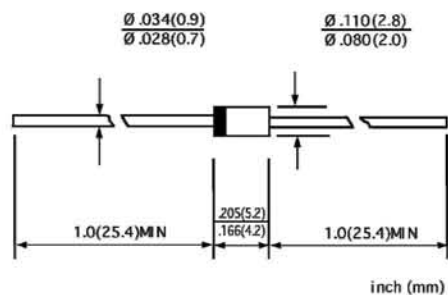
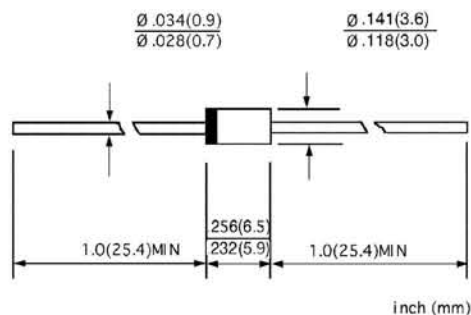
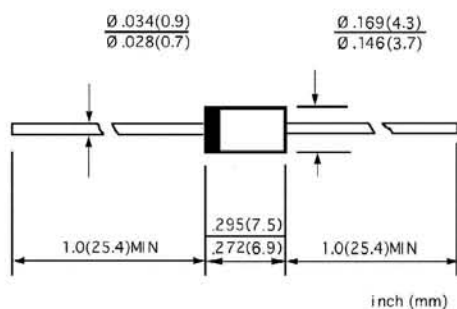
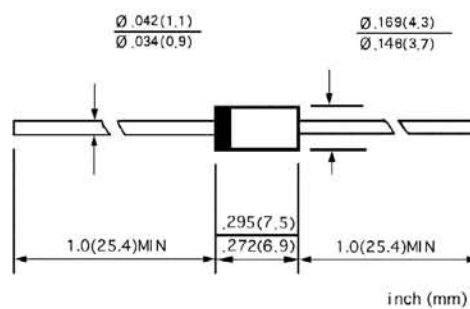
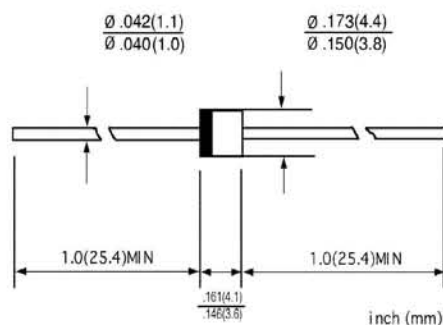
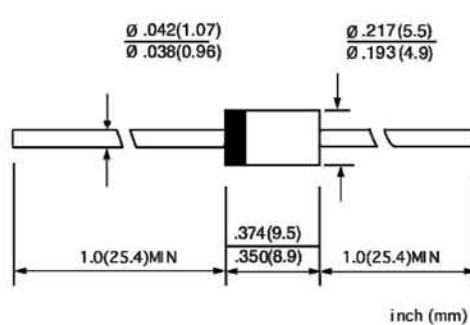


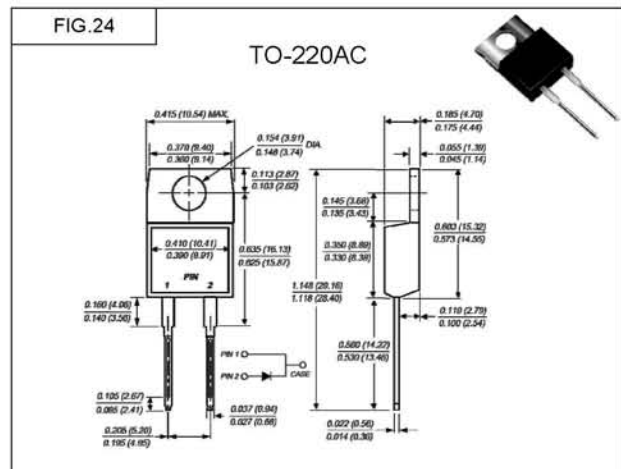
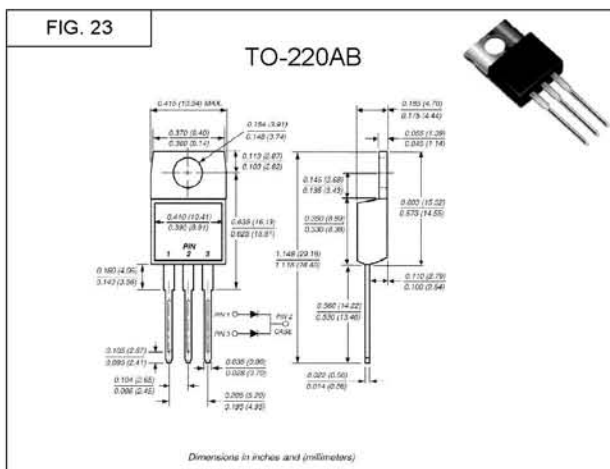
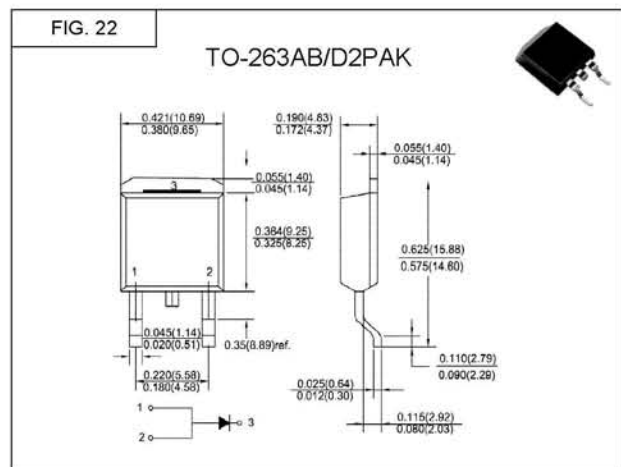
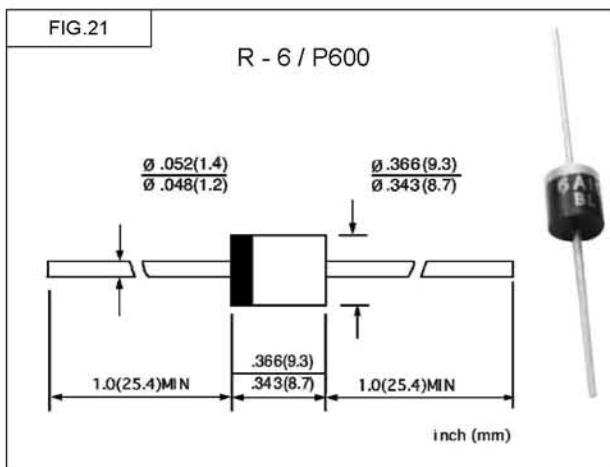
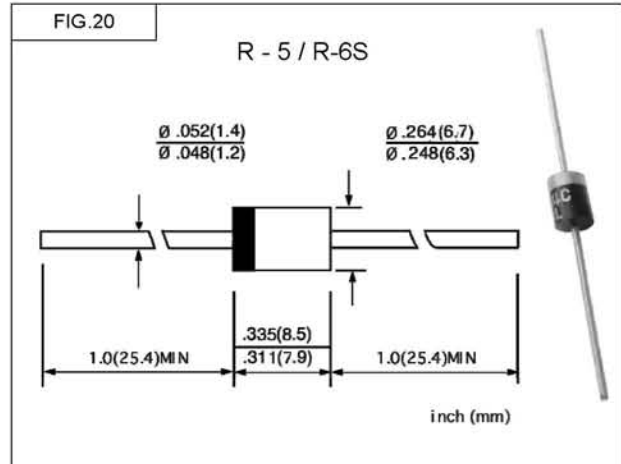
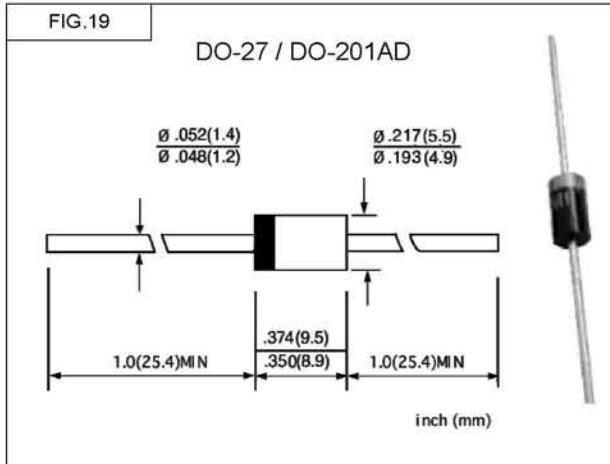
FIG. 12

A - 405 / GP10E



CASE STYLE AND OUTLINE DIMENSIONS
FIG. 13
DO - 41 / DO-204AL

FIG. 14
DO - 15 / DO-204AC

FIG. 15
DO - 15L

FIG. 16
DO - 15B

FIG. 17
R - 3

FIG. 18
DO-27S / DO - 201AE


CASE STYLE AND OUTLINE DIMENSIONS



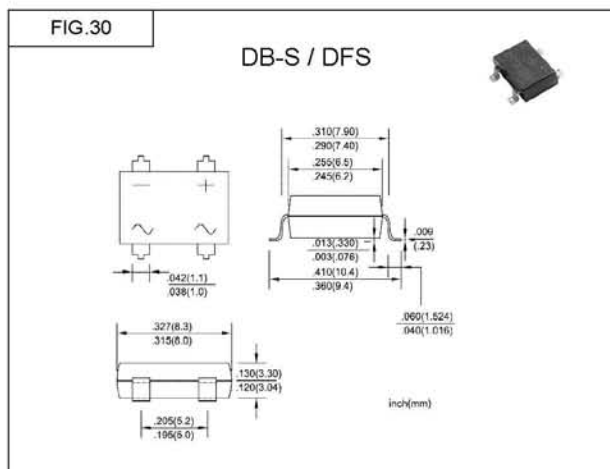
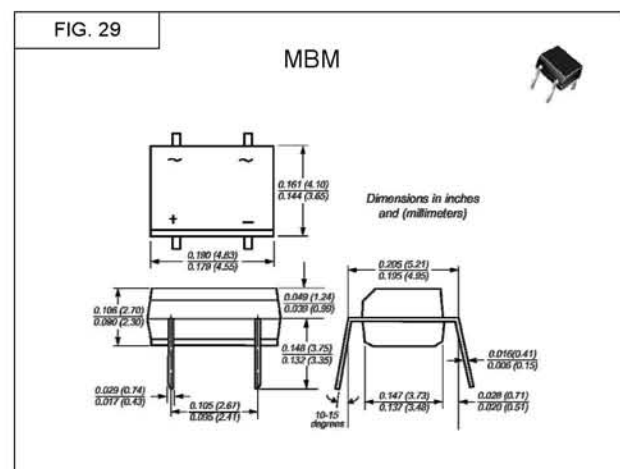
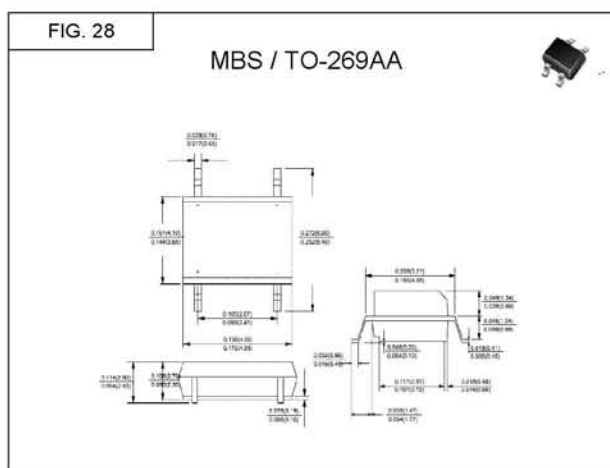
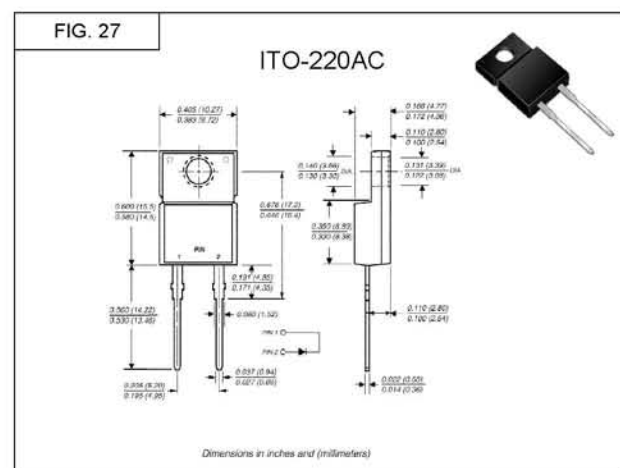
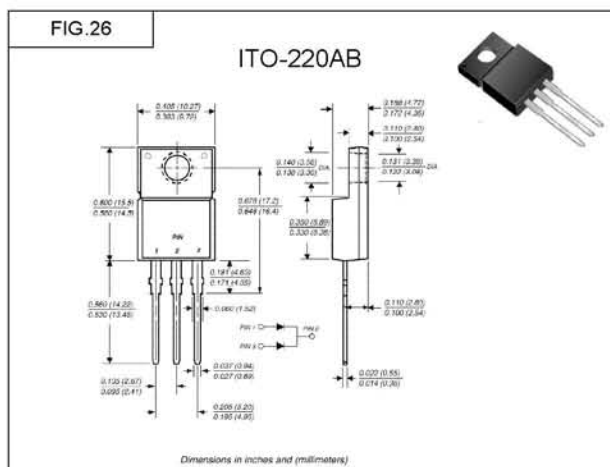
[illegible]

FIG.31

DB-1 / DFM

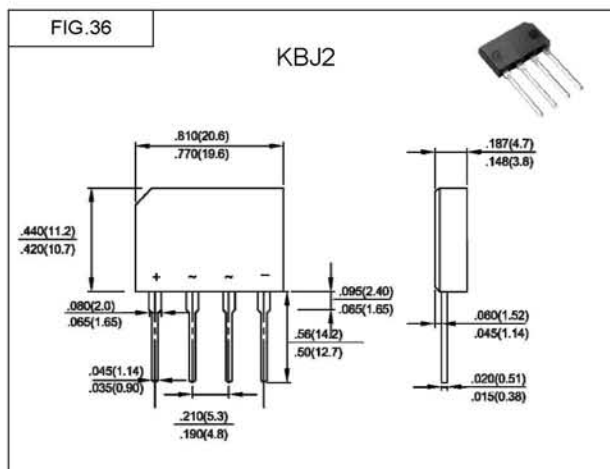
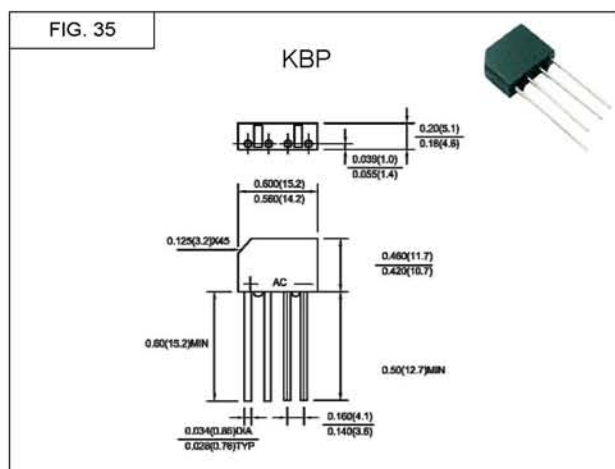
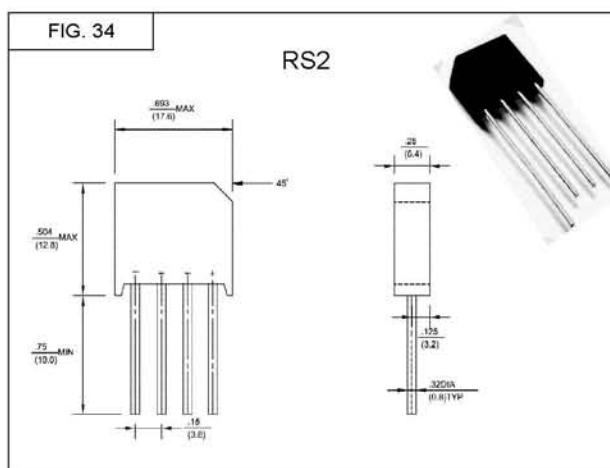
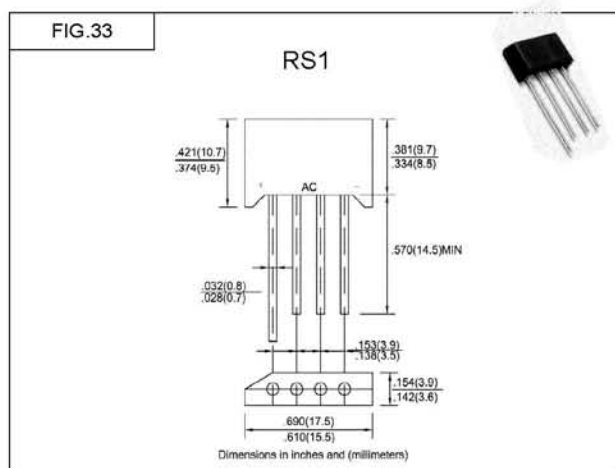
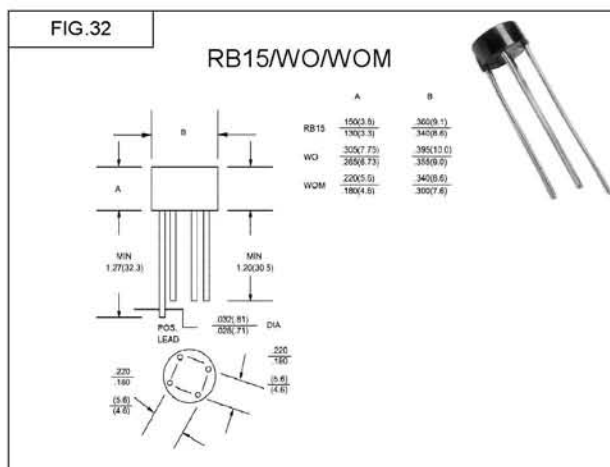
Technical drawing showing the dimensions of the DB-1 / DFM component. The drawing includes a top view and a side view.

Top View Dimensions:

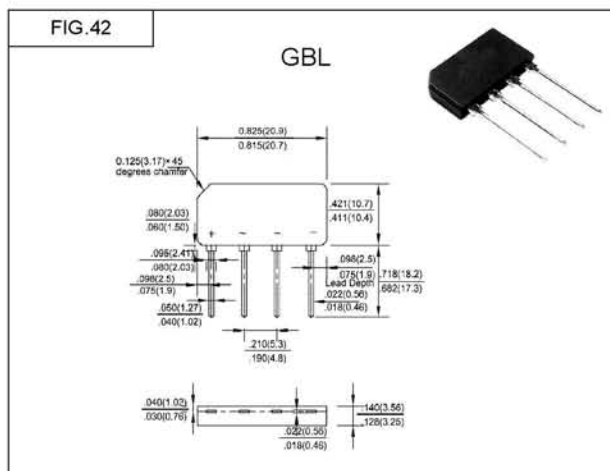
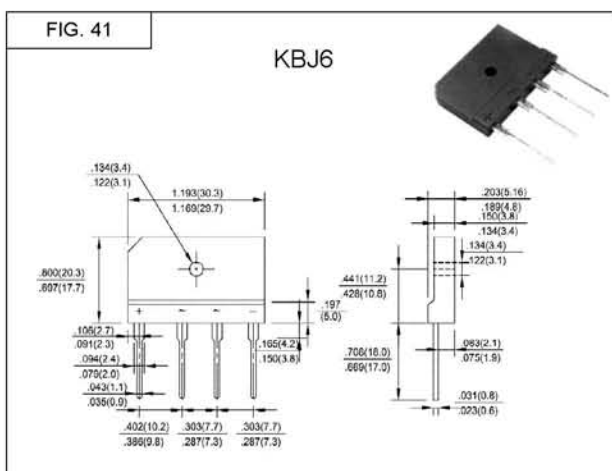
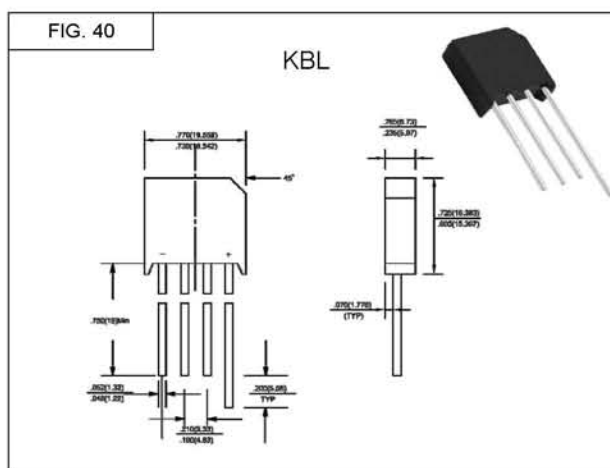
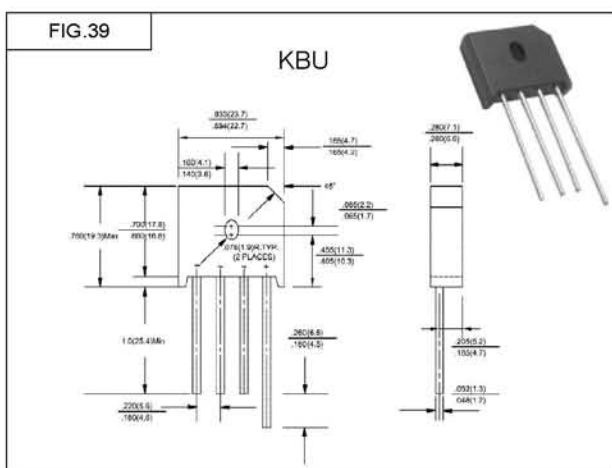
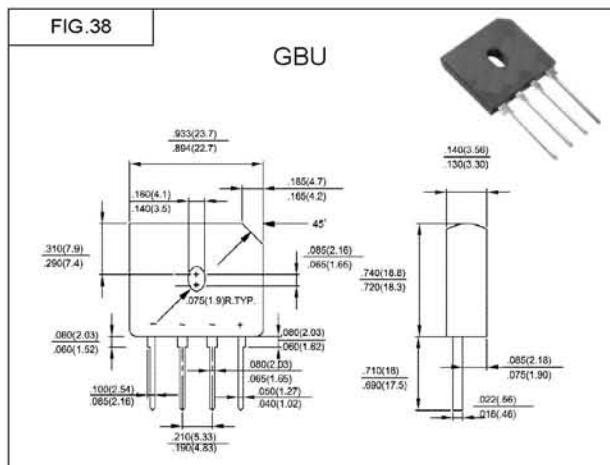
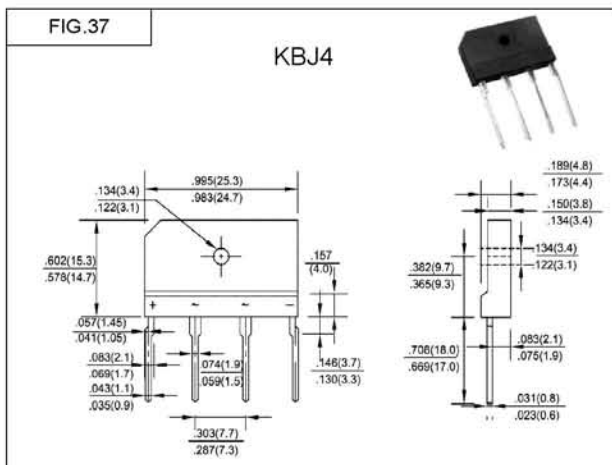
- Overall Width: 255(8.5) / 245(8.2)
- Overall Length: 310(7.8) / 290(7.4)
- Pin Pitch: 350(8.8) / 300(7.6)

Side View Dimensions:

- Overall Height: 335(8.5) / 305(7.7)
- Pin Height: 135(3.4) / 160(2.9)
- Pin Width: 165(4.2) / 155(3.9)
- Pin Spacing: 205(5.2) / 195(5.0)
- Pin Diameter: 0.75(1.90) / 0.65(1.58)



CASE STYLE AND OUTLINE DIMENSIONS



CASE STYLE AND OUTLINE DIMENSIONS

FIG.43

BR3

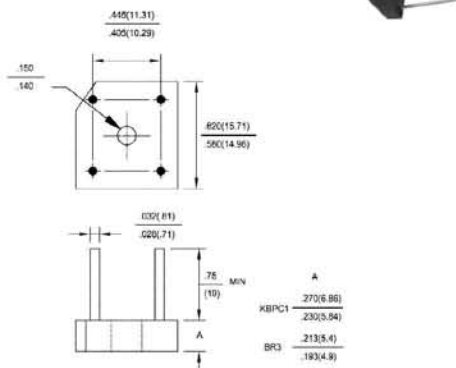


FIG.44

BR6

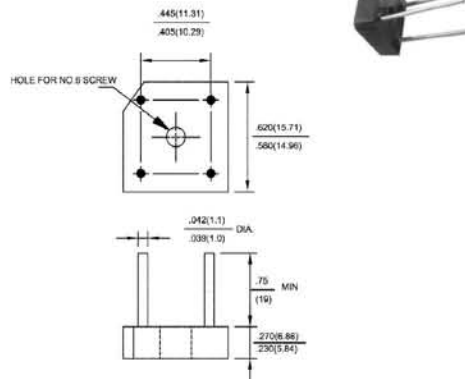


FIG.45

BR8

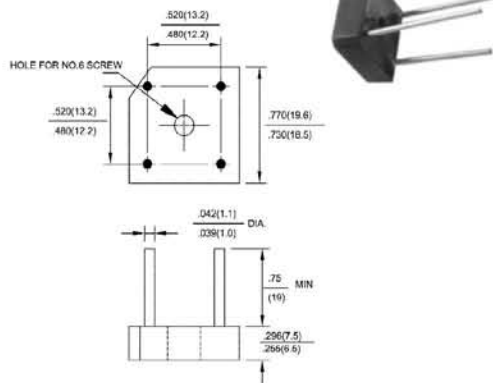


FIG. 46

BR

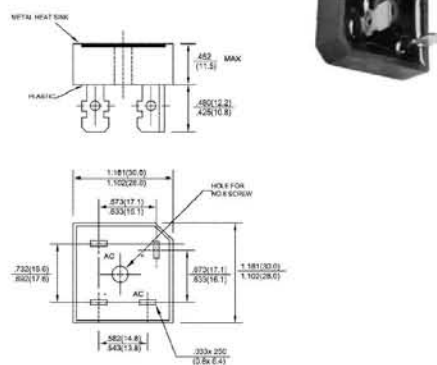


FIG. 47

SGBPC(SKBPC)

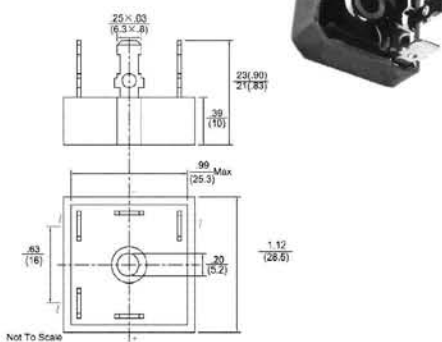


FIG.48

BR-W

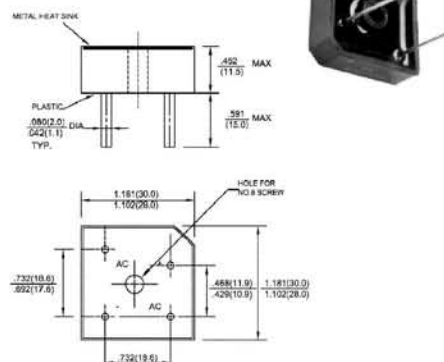


FIG. 49

KBPC

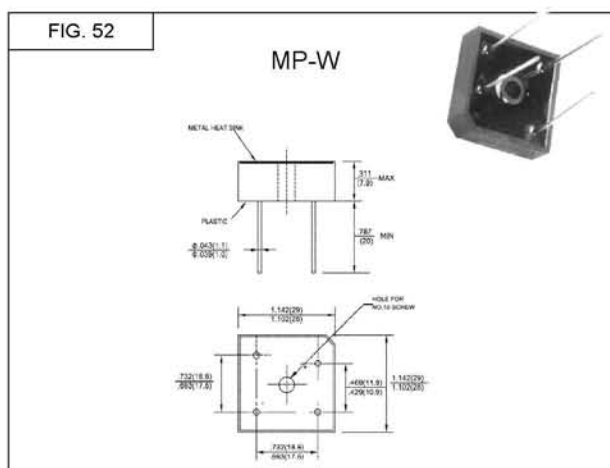
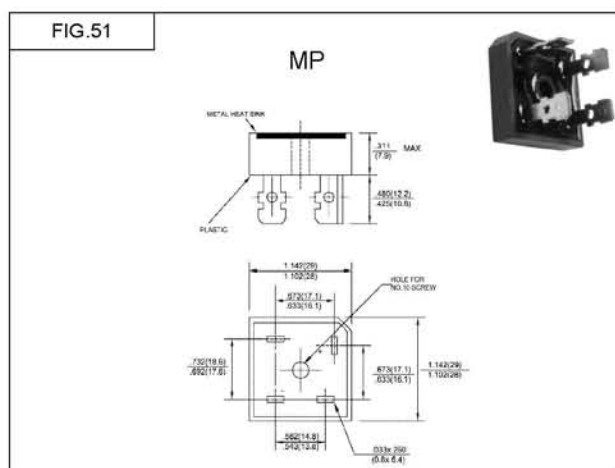
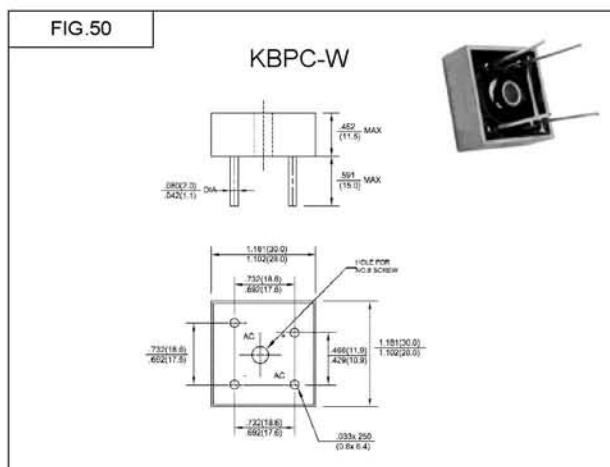
Technical drawing of the KBPC diode package. The drawing includes a top view, a side view, and an isometric view. The top view shows a square package with a central circular feature and four mounting holes. Dimensions are provided in inches and millimeters. The side view shows the package height and the mounting hole diameter. The isometric view shows the package from a three-dimensional perspective.

Dimensions (inches / millimeters):

- Top view: 1.181 (30.0) (overall width), 1.102 (28.0) (inner width), .878 (17.1) (hole spacing), .630 (16.1) (hole diameter).
- Side view: .732 (18.6) (overall height), .592 (17.8) (mounting hole height), .875 (17.1) (diode height), .630 (16.1) (diode diameter).
- Isometric view: .592 (14.8) (diode height), .443 (11.3) (diode diameter), .233 (5.9) (diode diameter).

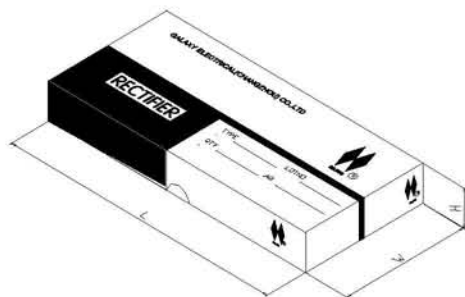
Table:

	W
1	.311 (7.8)
2	.462 (11.8)

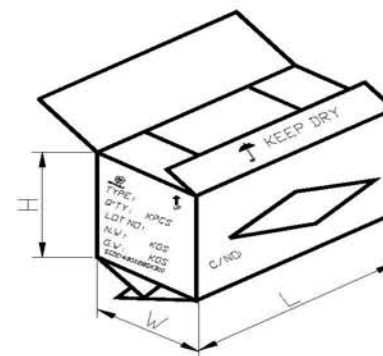


NO.1 BULK PACKAGING (B/P)

SKETCH MAP OF PACKAGE



INNER BOX(IB)



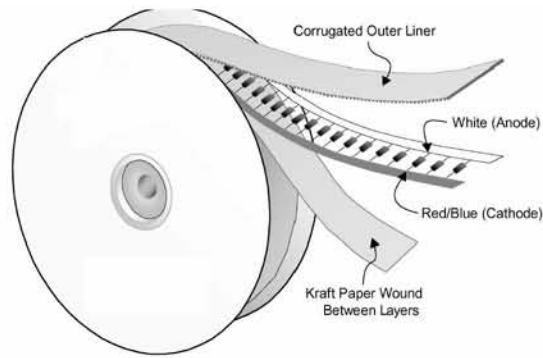
CARTON(CA)

PACKAGING CODE	quantity(pcs/box or pcs/carton)											SIZE(MM ³) (L×W×H)	
	R-1	A-405	DO-41	DO-15	DO-15L/B	R-3	DO-27(DO-201AD) &DO-201AE	R-5	R-6	DO-35(G)	DO-41(G)		
BA	1000	1000	1000	500	500	500	200		100			IB	196×83×21
	50000	50000	50000	25000	25000	25000	10000		5000			CA	443×215×245
BC			1000					200				IB	196×83×21
			50000					10000				CA	443×215×256
BE				1000								IB	196×83×27
				50000								CA	443×215×305
BN										10000	5000	IB	242×102×91
										120000	60000	CA	410×280×350

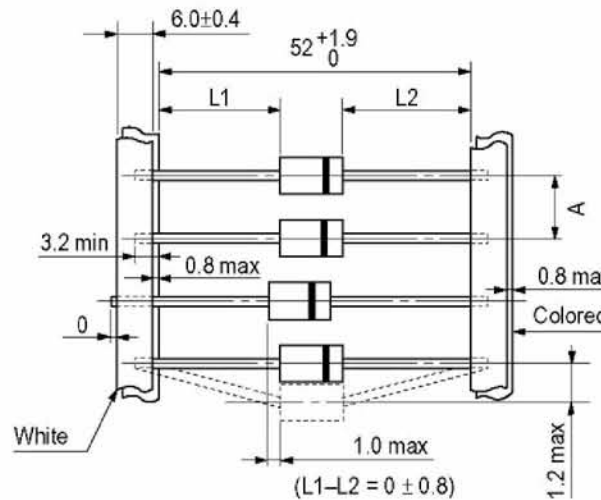
NOTE: G - GLASS

NO.2 TAPE REEL PACKAGING (T/R)

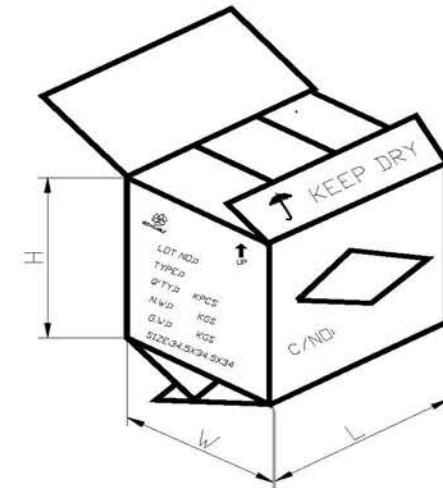
SKETCH MAP OF PACKAGE



REEL(R)



TAPE



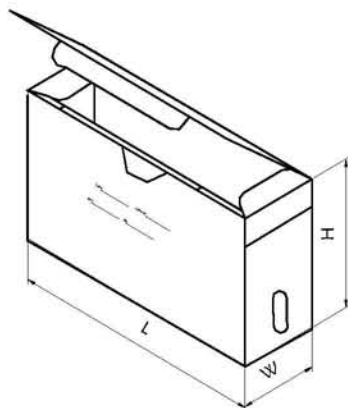
CARTON(CA)

PACKAGING CODE	quantity(pcs/box)								A (mm)	REEL DIA. (mm)	CARTON SIZE(mm ³) (L×W×H)
	A-405	R-1	DO-41	R-3	DO-15	DO-27	DO-35(G)	DO-41(G)			
TA	5000		5000		2500		5000	5000	5.0±0.5	326-336	350×345×440
	25000		25000		12500		25000	25000			
TC		5000			4000				5.0±0.5	335-365	350×345×440
		25000			20000						
			5000	3000					5.0±0.5	326-336	350×345×340
			20000	12000							
TF						1250			10.0±0.5	326-336	350×345×440
						6250					
TH							10000		5.0±0.5	335-365	385×385×420
							50000				

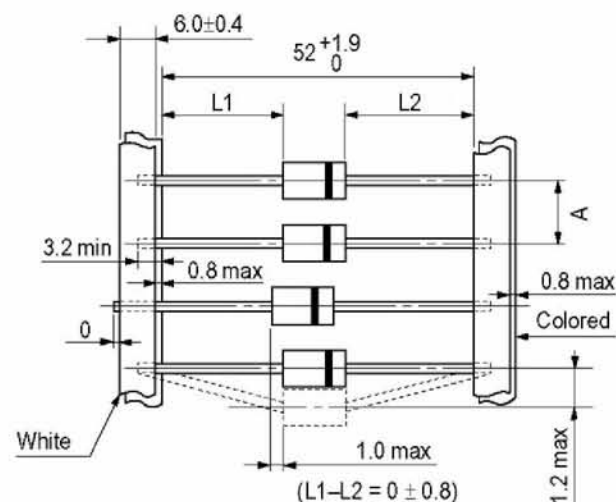
NOTE: G - GLASS ; A-COMPONENT SPACING(LEAD TO LEAD)

NO.3 AMMUNITION PACKAGING (T/B)

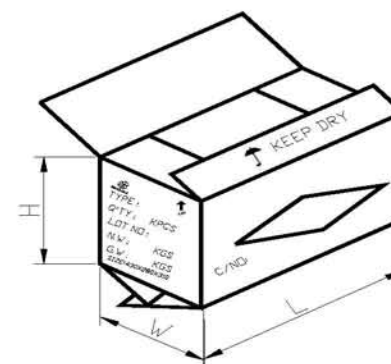
SKETCH MAP OF PACKAGE



INNER BOX



TAPE



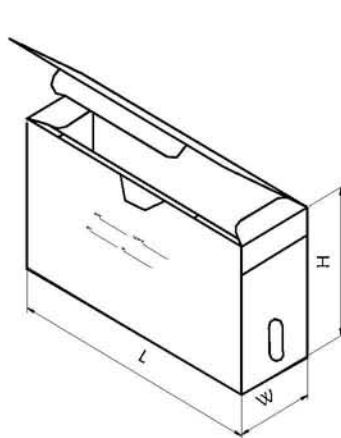
CARTON(CA)

PACKAGING CODE	quantity(pcs/box)								A (mm)	INNER BOX SIZE(mm ³) (L×W×H)	CARTON SIZE(mm ³) (L×W×H)
	A-405	R-1	DO-41	DO-15	R-3	DO-27	DO-35(G)	DO-41(G)			
FA	5000	5000	5000		2500				5.0±0.5	257×80×145	430×280×310
	50000	50000	50000		25000						
FC			3000						5.0±0.5	255×75×95	495×270×315
			54000								
FD			2500						5.0±0.5	255×75×75	430×280×310
			50000								
FE			2500						5.0±0.5	242×72×87	430×280×310
			50000								
FF			2500						5.0±0.5	242×72×87	495×270×315
			45000								

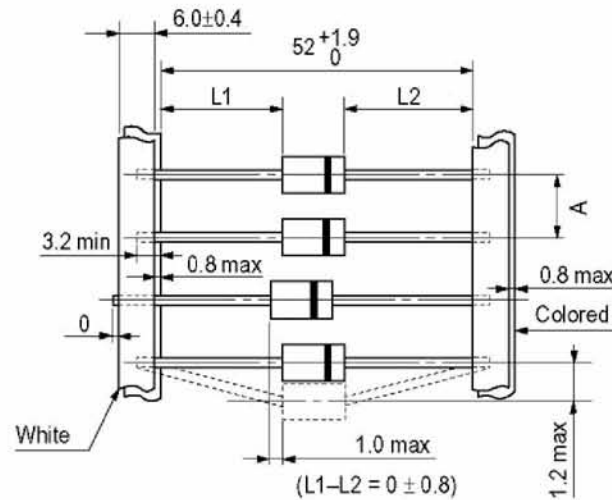
NOTE: G - GLASS ; A - COMPONENT SPACING(LEAD TO LEAD)

NO.3 AMMUNITION PACKAGING (T/B) (CONT'D 1)

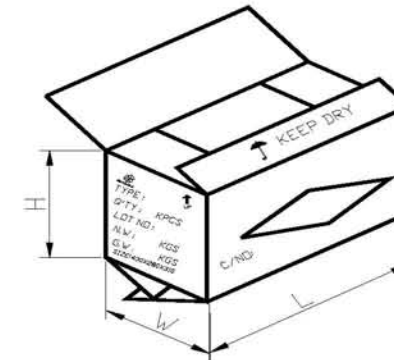
SKETCH MAP OF PACKAGE



INNER BOX



TAPE



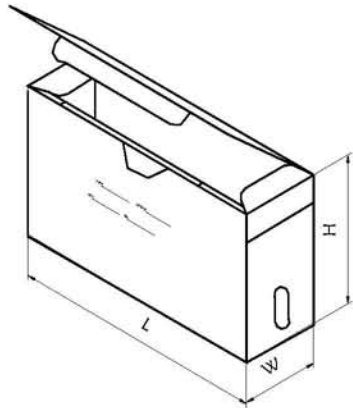
CARTON(CA)

PACKAGING CODE	quantity(pcs/box)								A (mm)	INNER BOX SIZE(mm ³) (L×W×H)	CARTON SIZE(mm ³) (L×W×H)
	A-405	R-1	DO-41	DO-15	R-3	DO-27	DO-35(G)	DO-41(G)			
FH				2500 25000					5.0±0.5	257×80×145	430×280×310
FK						1250 12500			10.0±0.5	257×80×145	430×280×310
FM							5000 100000	2500 50000	5.0±0.5	254×75×80	415×280×350

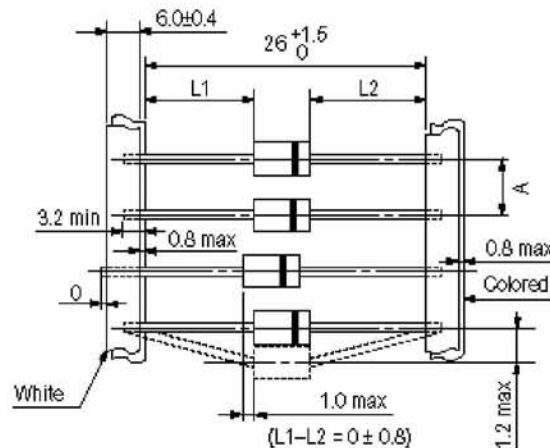
NOTE: G - GLASS ; A-COMPONENT SPACING(LEAD TO LEAD)

NO.3 AMMUNITION PACKAGING (T/B) (CONT'D 2)

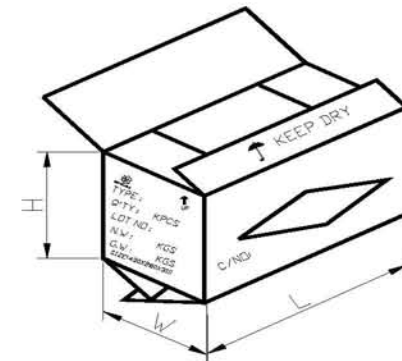
SKETCH MAP OF PACKAGE



INNER BOX



TAPE



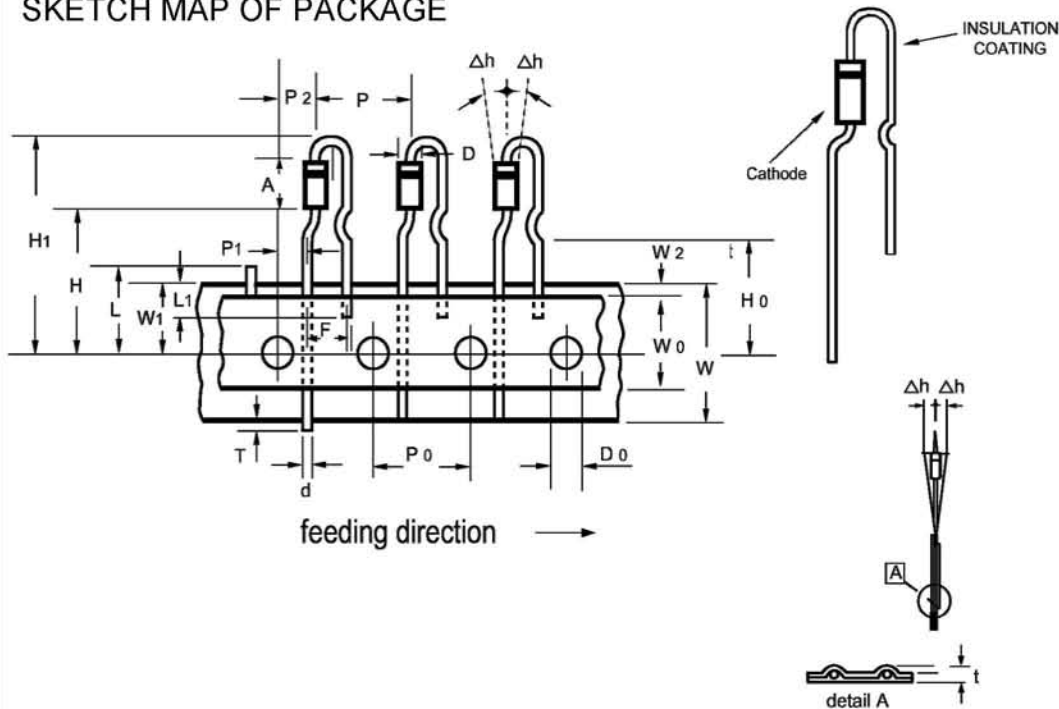
CARTON(CA)

PACKAGING CODE	quantity(pcs/box)								A (mm)	INNER BOX SIZE(mm ³) (L×W×H)	CARTON SIZE(mm ³) (L×W×H)
	A-405	R-1	DO-41	DO-15	R-3	DO-27	DO-35(G)	DO-41(G)			
EA			2500						5.0±0.5	255×50×87	430×280×310
			60000								

NOTE: G - GLASS ; A-COMPONENT SPACING(LEAD TO LEAD)

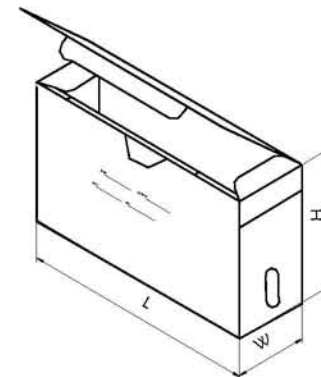
NO.3 AMMUNITION PACKAGING (T/B) (CONT'D 2)

SKETCH MAP OF PACKAGE

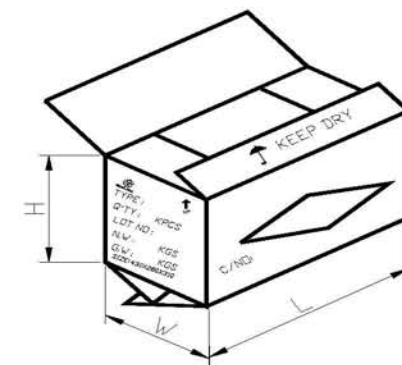


ITEM	SYMBOL	SPECIFICATIONS(mm)	SPECIFICATIONS(inch)
Lead-wire diameter	d	0.6± 0.1	0.024± 0.004
Component pitch	P	12.7± 1.0	0.500± 0.040
Feed hole pitch	P ₀	12.7± 0.3	0.500± 0.012
Component lead spacing	F	5.0±0.4/-0.1	0.197±0.016/-0.004
Deflection	Δh	0.0± 1.0	0.000± 0.040
Tape width	W	18.0± 0.5	0.790± 0.020
Hold-down tape width	W ₀	12.5 Min.	0.492 Min.
Hole position	W ₁	9.0±0.75/-0.50	0.354±0.030/-0.020
Length from seating plane	H	19.5± 1.0	0.768± 0.040
Component height	H ₁	32.25 Max.	1.27 Max.
Feed hole diameter	D ₀	4.0± 0.2	0.157± 0.008
Total tape thickness	t	1.5 Max.	0.059 Max.
Cut out length	L	11.0 Max.	0.433 Max.
Lead-wire (taped portion)	L ₁	2.5 Min.	0.098 Min.
Lead protrusion	T	0.8 Max.	0.031 Max.
Lead-wire clinch height	H ₀	16.0± 0.5	0.630± 0.020
Feedhole center to lead	P ₁	3.85± 0.7	0.125± 0.028
Center of seating plane location	P ₂	6.35± 1.0	0.250± 0.040
Adhesive tape position	W ₂	0.5 Max.	0.020 Max.

PACKAGING CODE	quantity(pcs/box)		INNER BOX SIZE(mm ³) (L×W×H)	CARTON SIZE(mm ³) (L×W×H)
	A-405	R-1		
HA	3000	3000	255×50×87	
	30000	30000		430×280×310



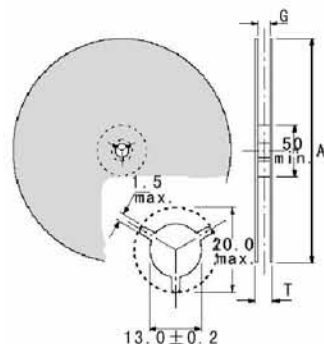
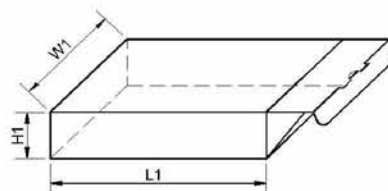
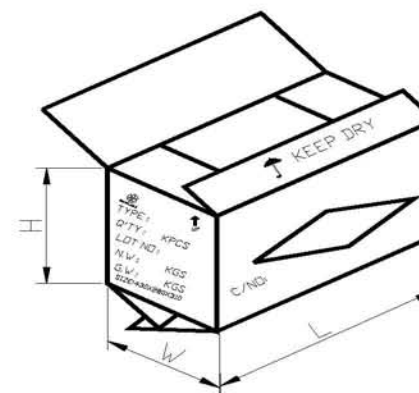
INNER BOX

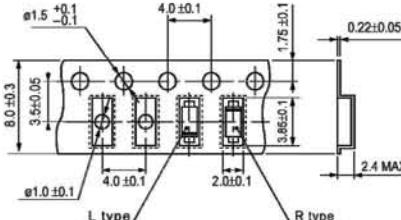


CARTON

NO.4 SURFACE MOUNT TAPE AND REEL PACKAGING

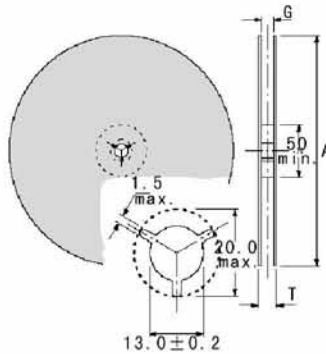
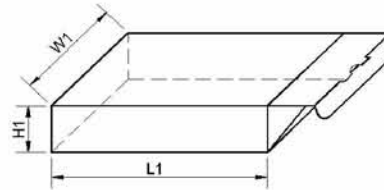
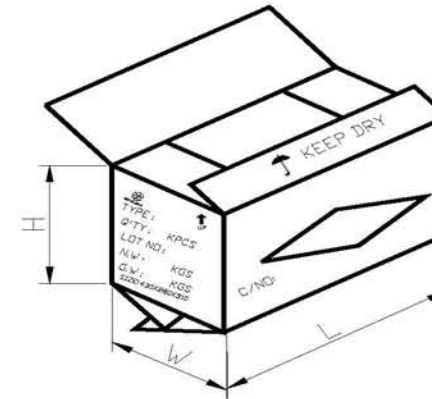
SKETCH MAP OF PACKAGE


REEL

INNER BOX(IB)

CARTON(CA)

PACKAGING CODE	CASE TYPE	TAPE PATTERN	TAPE SIZE(mm)	Quantity(pcs)			REEL SIZE(mm)			SIZE(mm ³) (L×W×H)			
				REEL	BOX	CARTON	A(max)	G(max)	T(max)				
T□A (R or L)	DO-213AA (GL34)		8	2500	5000 (max)	50000 (max)	178	9.9	14.4	IB	186×186×38		
				9000	18000 (max)	180000 (max)	330			CA	443×215×245		
			T□B (R or L)	SOD-123FL	8	3000	6000 (max)	60000 (max)	178	9.9	14.4	IB	186×186×38
						10000	20000 (max)	200000 (max)	330			CA	350×345×440
												IB	340×340×42
												CA	350×345×440

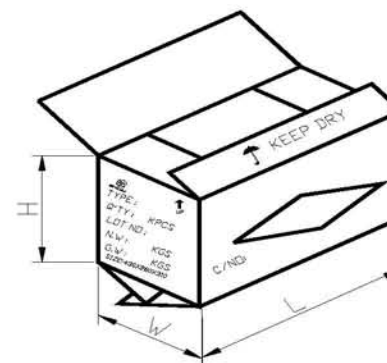
NO.4 SURFACE MOUNT TAPE AND REEL PACKAGING

SKETCH MAP OF PACKAGE


REEL

INNER BOX(IB)

CARTON(CA)

PACKAGING CODE	CASE TYPE	TAPE PATTERN	TAPE SIZE(mm)	Quantity(pcs)			REEL SIZE(mm)			SIZE(mm ³) (L×W×H)	
				REEL	BOX	CARTON	A(max)	G(max)	T(max)		
T□C (R or L)	DO-213AB (GL41&GLAS-S MELF)		12	1500	3000 (max)	30000 (max)	178	14.4	18.4	IB	186×186×38
				5000	10000 (max)	100000 (max)	330			CA	443×215×245
			12	2000	4000 (max)	40000 (max)	178	14.4	18.4	IB	340×340×42
				5000	10000 (max)	100000 (max)	330			CA	350×345×440
T□D (R or L)	DO-214AC (SMA)		12	2000	4000 (max)	40000 (max)	178	14.4	18.4	IB	186×186×38
				5000	10000 (max)	100000 (max)	330			CA	443×215×245
			12	2000	4000 (max)	40000 (max)	178	14.4	18.4	IB	340×340×42
				5000	10000 (max)	100000 (max)	330			CA	350×345×440

SKETCH MAP OF PACKAGE

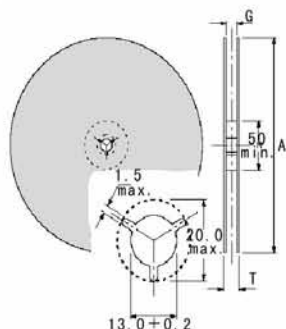
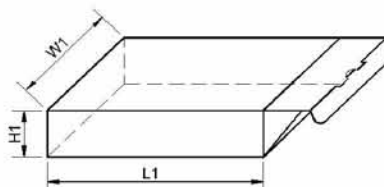
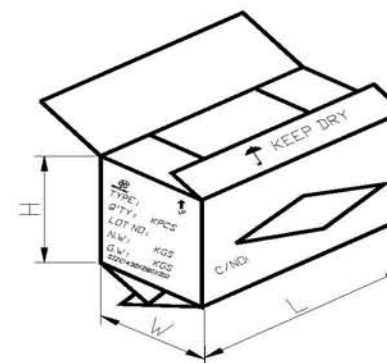


CARTON(CA)

PACKAGING CODE	CASE TYPE	TAPE PATTERN	TAPE SIZE(mm)	Quantity(pcs)			REEL SIZE(mm)			SIZE(mm ³) (L×W×H)	
				REEL	BOX	CARTON	A(max)	G(max)	T(max)		
T□E (R or L)	DO-214AA (SMB)		12	1000	2000 (max)	20000 (max)	178	14.4	18.4	IB	186×186×38
										CA	443×215×245
				3000	6000 (max)	60000 (max)	330			IB	340×340×42
										CA	350×345×440
TF	DO-214AB (SMC)		16	1000	2000 (max)	20000 (max)	178	18.4	22.4	IB	186×186×38
										CA	443×215×245
				3000	6000 (max)	60000 (max)	330			IB	340×340×42
										CA	350×345×440

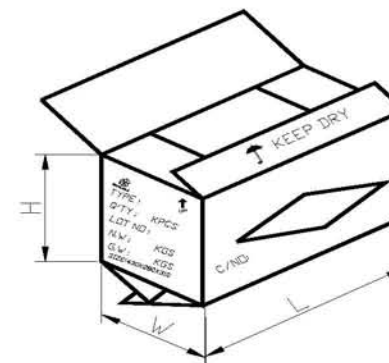
NO.4 SURFACE MOUNT TAPE AND REEL PACKAGING

SKETCH MAP OF PACKAGE


REEL

INNER BOX(IB)

CARTON(CA)

PACKAGING CODE	CASE TYPE	TAPE PATTERN	TAPE SIZE(mm)	Quantity(pcs)			REEL SIZE(mm)			SIZE(mm ³) (L×W×H)	
				REEL	BOX	CARTON	A(max)	G(max)	T(max)		
T□G (R or L)	TO-269AA (MBS)		12	3000	6000 (max)	60000 (max)	330	14.4	18.4	IB	340×340×42
										CA	350×345×440
TH	DFS		16	1500	3000 (max)	30000 (max)	330	18.4	22.4	IB	340×340×42
										CA	350×345×440

SKETCH MAP OF PACKAGE

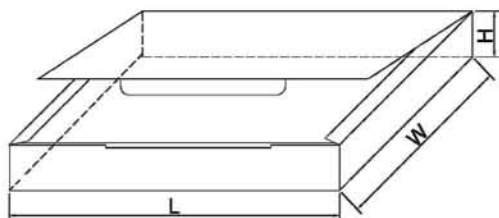


CARTON(CA)

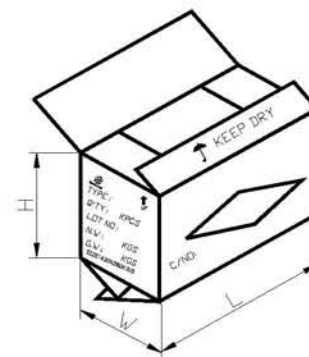
<http://www.galaxycn.com>

NO.5 PACKAGING (BRIDGE)

SKETCH MAP OF PACKAGE



INNER BOX(IB)

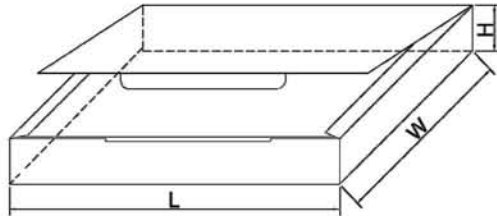


CARTON(CA)

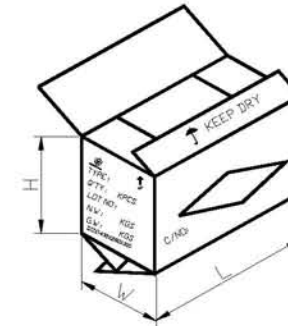
PACKAGING CODE	quantity(pcs/box or pcs/carton)											SIZE(MM ³) (L×W×H)	
	KBJ2	KBJ4	GBL	GBP	KBP	RS-1	DB-1	WOM	GBU	KBL	KBU		
PA	900											IB	200×200×35
	5400											CA	500×240×300
PB		360	800	700	500	700						IB	200×200×35
		3600	8000	8400	6000	8400						CA	445×225×260
PC							2000					IB	335×335×50
							12000					CA	340×340×340
PD								1000				IB	190×260×73
								10000				CA	425×310×285
PE									800	600	400	IB	230×230×50
									4800	3600	2400	CA	500×245×185

NO.5 PACKAGING (BRIDGE)

SKETCH MAP OF PACKAGE



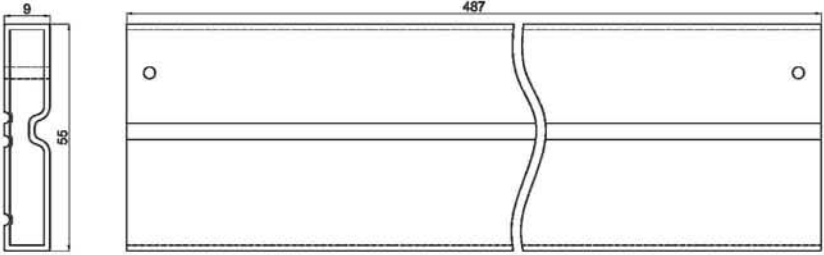
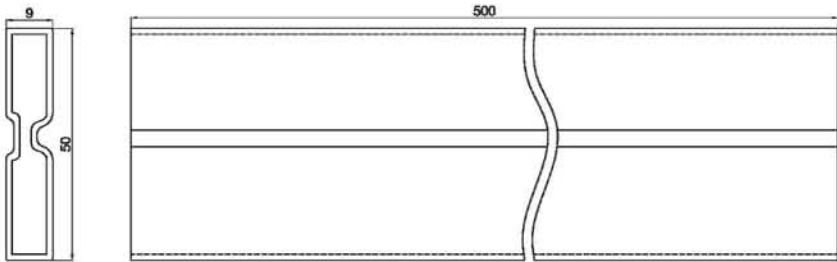
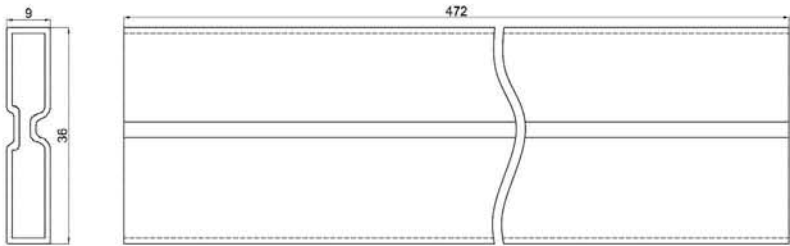
INNER BOX(IB)



CARTON(CA)

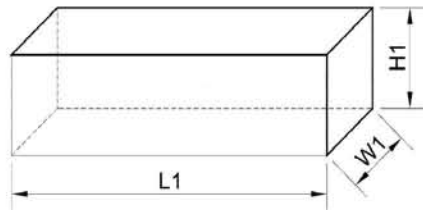
PACKAGING CODE	quantity(pcs/box or pcs/carton)										SIZE(MM ³) (L×W×H)	
	KBJ6 /15/25	KBPC1	KBPC6	KBPC10/15/ 25/35/50	KBPC10/15/ 25/35/50(W)	RS-2	BR3	BR10/15/ 25/35/50	BR10/15/ 25/35/50(W)	KBPC8 /BR10		
PF	250	200	200	50	50	400	200	50	50		IB	205×205×45
	2500	2000	2000	500	500	4000	2000	500	500		CA	445×225×260
PG										200	IB	200×200×35
										2000	CA	445×225×260

NO.5 TUBE PACKAGING (BRIDGE)

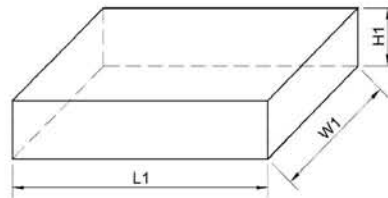
PACKAGING CODE	CASE TYPE	TUBE PATTERN	Quantity(pcs)			BOX SIZE(mm ³) (L×W×H)	CARTON SIZE(mm ³) (L×W×H)
			TUBE	BOX	CARTON		
QA	KBJ2A		20	900	5400	49.3×7.5×7.3	50×24×30
QB	KBL		25	1000	4000	54.2×13.5×13.5	55.7×27×27
	KBU		20	800	3200		
QC	KBJ6A		15	750	1500	49×15×14.5	50×31.5×16.5
	KBJ6JA		18	900	1800		
	GBU		20	1000	2000		

NO.5 PACKAGING (BRIDGE)

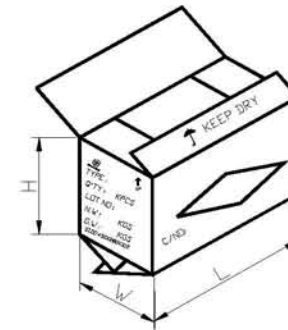
SKETCH MAP OF PACKAGE



INNER BOX1(IB1)

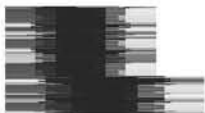


INNER BOX2(IB2)



CARTON(CA)

PACKAGING CODE	quantity(pcs/box or pcs/carton)									SIZE(MM ³) (L1×W1×H1)	
	AR	ARS	ZQA	ZQB	ZL1	ZL3	ZL5	ZL6	ZL7		
AA	2000	2000								IB1	232×110×95
	16000	16000								CA	442×215×256
AB			1000	1000						IB2	194×194×42
			10000	10000						CA	442×215×256
AC					100	100	100	100	100	IB2	232×110×95
					1000	1000	1000	1000	1000	CA	442×215×256



NO.6 TUBE PACKAGING (TO-220 ITO-220 AND TO-3P)

PACKAGING CODE	CASE TYPE	TUBE PATTERN	Quantity(pcs)		BOX SIZE(mm ³) (L×W×H)
			TUBE	BOX	
UA	TO-220 & ITO-220	50 Pcs./Tube	50	1000	
UB	TO-3P (TO-247AD)	30 Pcs./Tube			