

ABS2 THRU ABS10 BRIDGE RECTIFIERS



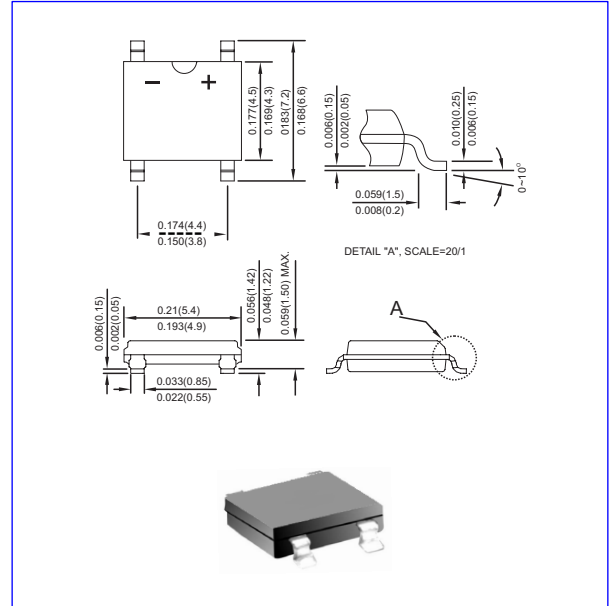
VOLTAGE 200 THRU 1000 Volts **CURRENT** 1.0 Amper **ABS** **Unit:(mm)**

FEATURES

- ◆ Glass passivated junction
- ◆ Ideal for printed circuit board
- ◆ Reliable low cost construction utilizing molded plastic technique
- ◆ High temperature soldering guaranteed:
260°C / 10 seconds / 0.375" (9.5mm)
lead length at 5 lbs., (2.3 kg) tension
- ◆ Small size, simple installation
Pure tin plated terminal , Lead free. Leads
solderable per MIL-STD-202, Method 208
- ◆ High surge current capability

MECHANICAL DATA

- ◆ Case: Molded plastic body
- ◆ Mounting position : as Marking
- ◆ Weight: 0.12 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TA=25°C(UNLESS OTHERWISE NOTED))

Parameter	Symbol	ABS2	ABS4	ABS6	ABS8	ABS10	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current On glass-epoxy On aluminum substrate	$I_{F(AV)}$	0.8 1.0					A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	30					A
Maximum Instantaneous Forward Voltage (Note 1) @ 0.4A	V_F	0.95					V
Rating for fusing (t<8.3ms)	I^2T	3.74					A ² sec
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	10 150					uA
Typical Thermal Resistance	$R_{\theta L}$ $R_{\theta A}$	25 80					°C/W
Operating Temperature Range	T_J	- 55 to + 150					°C
Storage Temperature Range	T_{STG}	- 55 to + 150					°C

Note 1: Pulse Test with PW=300 usec, 1% Duty Cycle

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RATING AND CHARACTERISTIC CURVES (TA=25°C (UNLESS OTHERWISE NOTED))

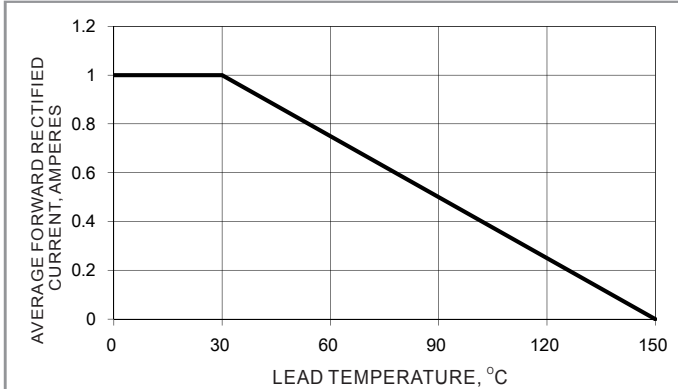


Fig. 1 FORWARD CURRENT DERATING CURVE

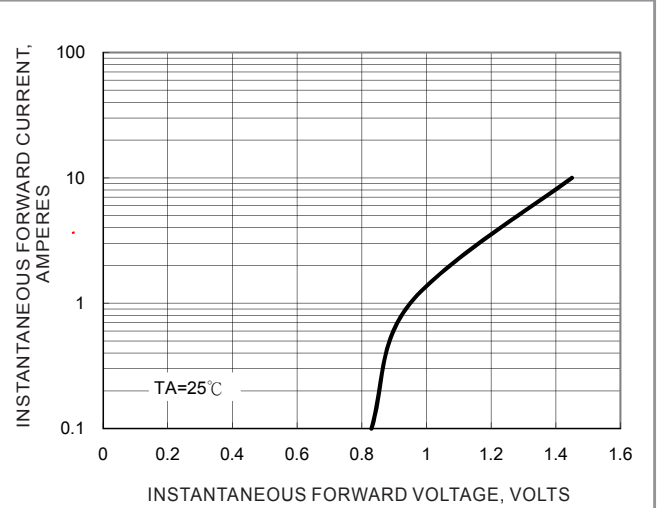


Fig. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

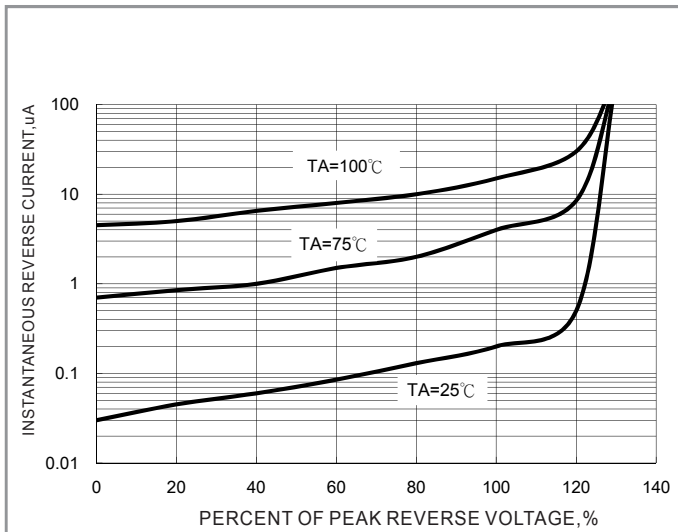


Fig. 3 TYPICAL REVERSE CHARACTERISTICS

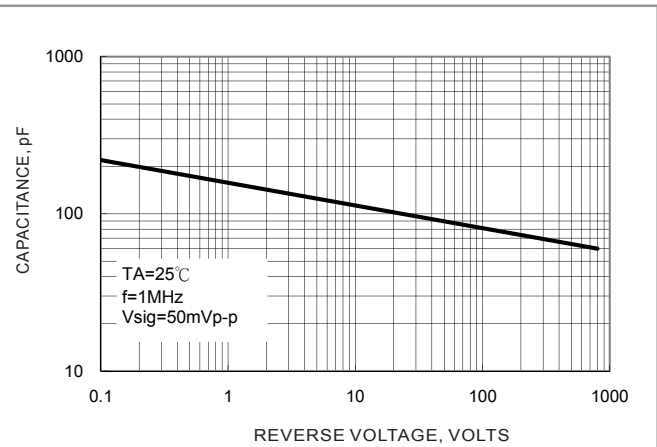


Fig. 4 TYPICAL JUNCTION CAPACITANCE

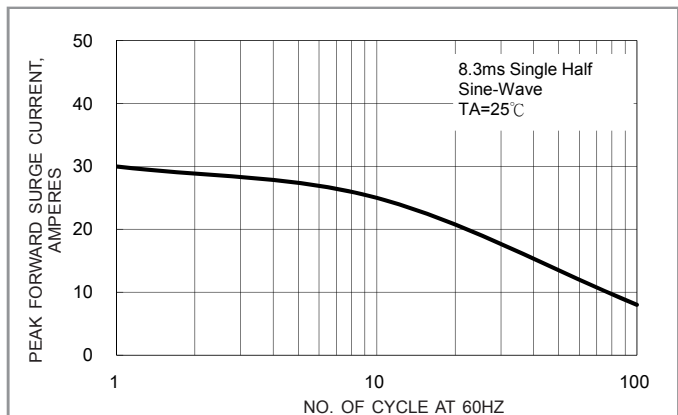


Fig. 5- MAXIMUM NON - REPETITIVE SURGE CURRENT



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ORDER INFORMATION

- Packing information
T/R - 5K per 13" plastic Reel
T/R - 3K per 7" plastic Reel