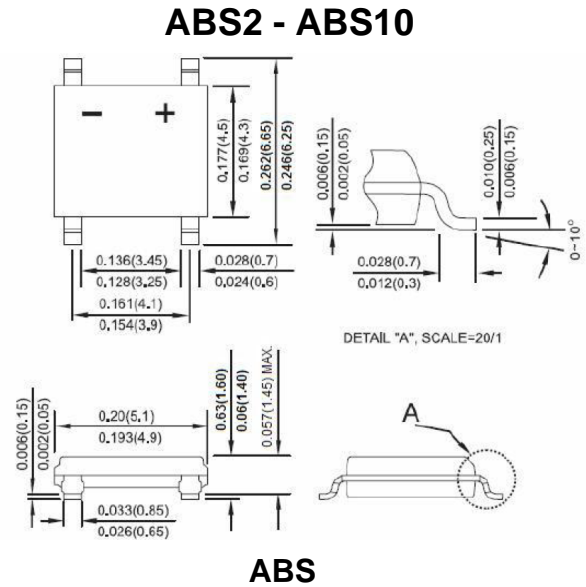


FEATURES

- UL Recognized File # E-326854
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- High temperature soldering guaranteed:  
260°C/10 seconds /0.375"(9.5mm) lead length at 5 lbs., (2.3kg) tension
- Small size, simple installation
- Green compound with suffix "G" on packing code & prefix "G" on datecode

Mechanical Data

- Terminal: Pure tin plated, lead free, Leads solderable per MIL-STD-202 Method 208
- Mounting position : as Marking



Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.  
Single phase, half wave, 60 Hz, resistive or inductive load.  
For capacitive load, derate current by 20%

Type Number	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 <sup>2</sup> sec
Maximum DC Reverse Current at Rated DC Blocking Voltage	$I_R$			10 150			uA
Typical Thermal Resistance (Note 2)	$R_{\theta JL}$ $R_{\theta JA}$			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

Note 2: Mounted on P.C.B. with 5mm x 5mm Copper Pads

**ABS2 - ABS10 Typical Characteristics**

FIG.1 MAXIMUM FORWARD CURRENT DERATING CURVE

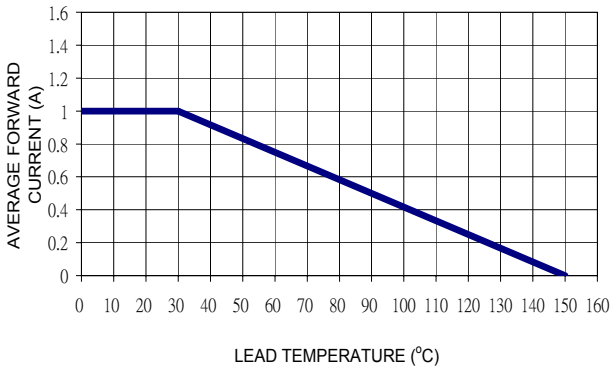


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

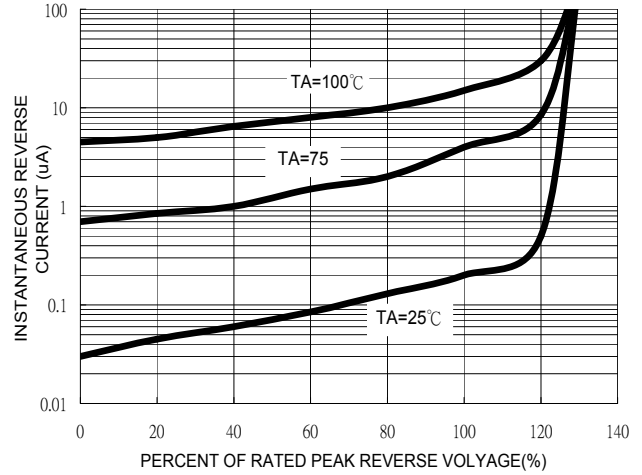


FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

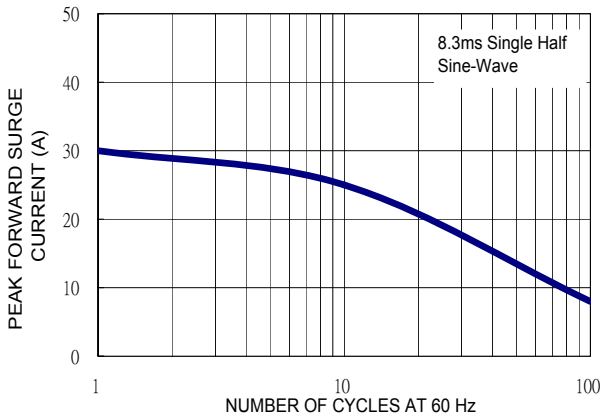


FIG. 4 TYPICAL JUNCTION CAPACITANCE

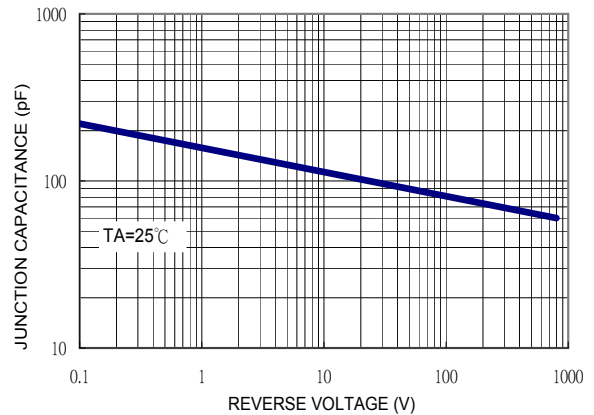


FIG. 5 TYPICAL FORWARD CHARACTERISTICS

