

## ABS2 - ABS10

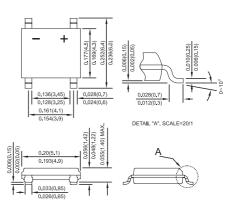


Single Phase 1.0 AMP. Glass Passivated Bridge Rectifiers



## **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



ABS

Dimensions in inches and (millimeters)

## **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	Units
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	200	400	600	800	1000	V
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	I <sub>(AV)</sub>			0.8 1.0			A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	30					A
Maximum Instantaneous Forward Voltage @ 0.4A	V <sub>F</sub>	095					V
Maximum DC Reverse Current @ $T_A=25$ °C at Rated DC Blocking Voltage @ $T_A=125$ °C	I <sub>R</sub>			10 150			uA uA
Typical Thermal resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	R <sub>θJL</sub> R <sub>θJA</sub>	25 62.5 80					°C/W
Operating Temperature Range	TJ	-55 to +150					°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150					°C



## RATINGS AND CHARACTERISTIC CURVES (ABS2 THRU ABS10)

