

## **ABS2 THRU ABS10**

Single Phase 1.0 AMP. Glass Passivated Bridge Rectifiers

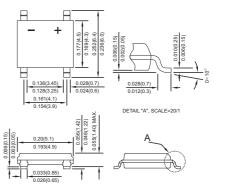


Voltage Range 200 to 1000 Volts Current 1.0 Ampere

## **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 Leads solderable per MIL-STD-202, Method 208
- ♦ High surge current capability

## Thin Mini-Dip



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	$V_{RRM}$	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	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 P.C.B. On aluminum substrate	I <sub>(AV)</sub>			0.8 1.0			Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	30					А
Maximum Instantaneous Forward Voltage @ 0.4A	V <sub>F</sub>	095					V
Maximum DC Reverse Current @ T <sub>A</sub> =25℃ at Rated DC Blocking Voltage	I <sub>R</sub>	10					uA
Typical Thermal resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	Rθ <sub>JL</sub> Rθ <sub>JA</sub>	25 62.5 80					<b>.c\M</b>
Operating Temperature Range	TJ	-55 to +150					Ç
Storage Temperature Range	T <sub>STG</sub>	-55 to +150					ပ္



