# ABS202 THRU ABS210



## Single Phase 2.0 AMP. Glass Passivated Bridge Rectifiers

#### Thin Mini-Dip



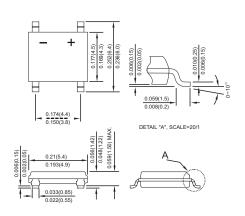
## VOLTAGE RANGE 200 to 1000 Volts CURRENT

2.0 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
- ♦ High surge current capability

#### **ABS**



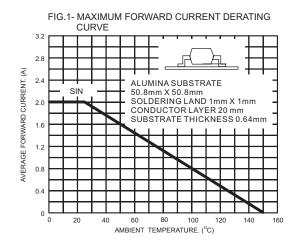
Dimensions in inches and (millimeters)

### **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	ABS202	ABS204	ABS206	ABS208	ABS210	Units
Maximum Recurrent 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 P.C.B. On aluminum substrate	I <sub>(AV)</sub>	2.0					А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	48					А
Maximum Instantaneous Forward Voltage @ 1.0A	V <sub>F</sub>	0.95					V
Maximum DC Reverse Current @ T <sub>A</sub> =25℃ at Rated DC Blocking Voltage	I <sub>R</sub>	5					uA
Typical Thermal resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	Rθ <sub>JL</sub> Rθ <sub>JA</sub>	18 57.5 80					<b>℃/W</b>
Operating Temperature Range	$T_J$	-55 to +150					${\mathbb C}$
Storage Temperature Range	T <sub>STG</sub>	-55 to +150					${\mathbb C}$

#### RATINGS AND CHARACTERISTIC CURVES (ABS202 THRU ABS210)



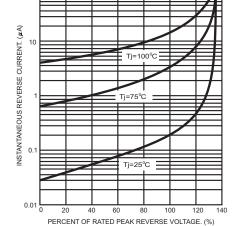


FIG.2- TYPICAL REVERSE CHARACTERISTICS

PER BRIDGE ELEMENT

