

ABS2 THRU ABS10

Single Phase 1.0 AMP. Glass Passivated Bridge Rectifiers

0.006(0.15)



Voltage Range 200 to 1000 Volts Current 1.0 Ampere

Thin Mini-Dip

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

(051)650.

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%

To Capacity load, acrais carrent 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_{RMS}	140	280	420	560	700	٧
Maximum DC Blocking Voltage	V_{DC}	200	400	600	800	1000	٧
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	I _(AV)	0.8 1.0					Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	30					Α
Maximum Instantaneous Forward Voltage @ 0.4A	V_{F}	095					٧
Maximum DC Reverse Current @ T _A =25℃ at Rated DC Blocking Voltage	I _R	10					uA uA
Typical Thermal resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	Rθ _{JL} Rθ _{JA}	25 62.5 80					℃/W
Operating Temperature Range	TJ	-55 to +150					$^{\circ}$
Storage Temperature Range	T_{STG}	-55 to +150					$^{\circ}$



