

ABSO5 THRU A SINGLE PHASE 1.0 AMP SURF ACE MOUNT BRIDGE

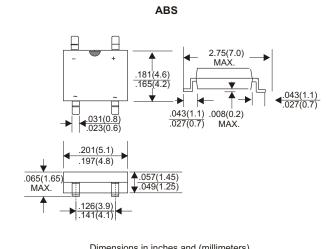


FEATURES

- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Polarity: Symbol molded on body
- * Mounting position: Any
- * Weight: 0.12 grams

VOLTAGE RANGE 50 to 1000 Volts **CURRENT**

1.0 Ampere



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	ABS05	ABS1	ABS2	ABS4	ABS6	ABS8	ABS10	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current							•	
at Ta=40°C(Note 1)		1.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		3 0						Α
I ² t Rating for Fusing (1ms < t < 8.3ms)		5.0						A ² S
Maximum Forward Voltage Drop per Bridge Element at 0.4A D.	C.	1.0						
Maximum DC Reverse Current Ta=25 ℃		5.0						μА
at Rated DC Blocking Voltage Ta=125℃		500						
Typical Thermal Resistance R JA (Note 2)		75						°C/W
Operating Temperature Range, TJ		-55—+150						
Storage Temperature Range, Tsтс		-55 —+150						

NOTES: 1. Mounted on P.C. Board.

2. Thermal Resistance Junction to Ambient.

RATING AND CHARACTERISTIC CURVES (ABS05 THRU ABS10)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

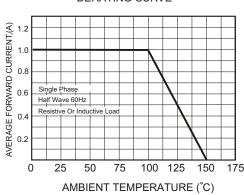


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

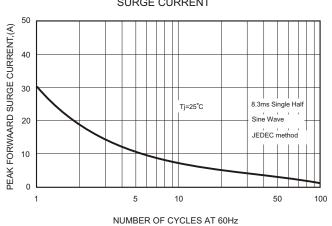


FIG.3-TYPICAL FORWARD

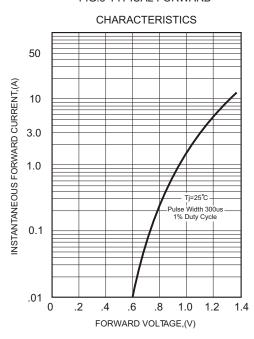


FIG.4-TYPICAL REVERSE

