B1S thru B10S

SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS

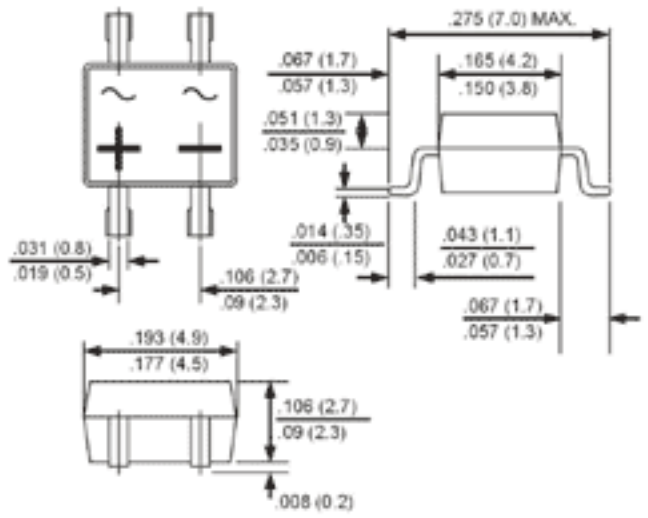
REVERSE VOLTAGE - **100** to **1000** Volts
FORWARD CURRENT - **0.8** Amperes

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead tin plated copper

MECHANICAL DATA

- Polarity: Symbol molded on body
- Weight: 0.0044 ounces, 0.125 grams
- Mounting position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

CHARACTERISTICS	SYMBOL	B1S	B2S	B4S	B6S	B8S	B10S	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (Note 1) @T_A=40°C	$I_{(AV)}$	0.8						A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	I_{FSM}	30						A
Maximum Forward Voltage at 0.4A DC	V_F	1.1						V
Maximum DC Reverse Current @T_J= 25 °C at Rated DC Blocking Voltage @T_J=125°C	I_R	5 500						uA
Typical Junction Capacitance per element (Note 2)	C_J	15						pF
Typical Thermal Resistance (Note 3)	$R_{\theta JA}$	75						°C/W
Operating Temperature Range	T_J	-55 to +150						°C
Storage Temperature Range	T_{STG}	-55 to +150						°C

NOTES: 1. Mounted on P. C. board.
2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
3. Thermal Resistance Junction to Ambient.