

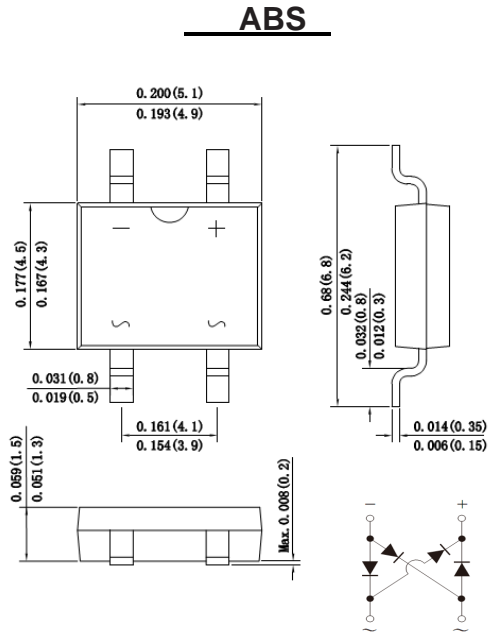
## SINGLE PHASE GLASS PASSIVATED SURFACE MOUNT BRIDGE RECTIFIER VOLTAGE: 200 TO1000V      CURRENT: 1.0A

### Features

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ Idea for printed circuit board
- ◆ Glass passivated Junction chip
- ◆ Low reverse leakage
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed  
250°C/10 seconds at terminals

### Mechanical Data

- Case :** Molded plastic body  
**Terminals :** Solder plated, solderable per MIL-STD-750,Method 2026  
**Polarity :** Polarity symbol marking on body  
**Mounting Position :** Any  
**Weight :** 0.0034 ounce, 0.098 grams



Dimensions in inches and (millimeters)

### Maximum Ratings And Electrical Characteristics

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

Parameter	SYMBOLS	AB2S	AB4S	AB6S	AB8S	AB10S	UNITS
Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	200	400	600	800	1000	V
Maximum RMS voltage	V <sub>RMS</sub>	140	280	420	560	700	V
Maximum DC blocking voltage	V <sub>DC</sub>	200	400	600	800	1000	V
Maximum average forward rectified current at T <sub>L</sub> =100°C On glass-epoxy P.C.B (Note 1)	I <sub>(AV)</sub>	1.0					A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	35.0					A
Rating for fusing (t=8.3ms, T <sub>a</sub> =25°C)	I <sub>t</sub> <sup>2</sup>	5.08					A <sup>2</sup> s
Maximum instantaneous forward voltage at 0.4A	V <sub>F</sub>	1.10					V
Maximum DC reverse current T <sub>A</sub> =25°C at rated DC blocking voltage T <sub>A</sub> =125°C	I <sub>R</sub>	5.0 500					uA
Typical junction capacitance (Note 2)	C <sub>J</sub>	16.0					pF
Typical thermal resistance	R <sub>qJA</sub>	80.0					°C/W
Operating junction and storage temperature range	T <sub>J</sub> , T <sub>STG</sub>	-55 to +150					°C

**Note:** 1. Mounted on glass epoxy PC board with 1.3\*1.3mm solder pad  
 2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

## Ratings And Characteristic Curves

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

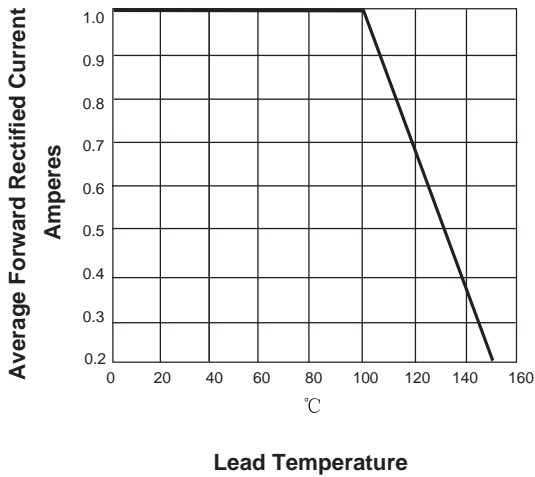


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

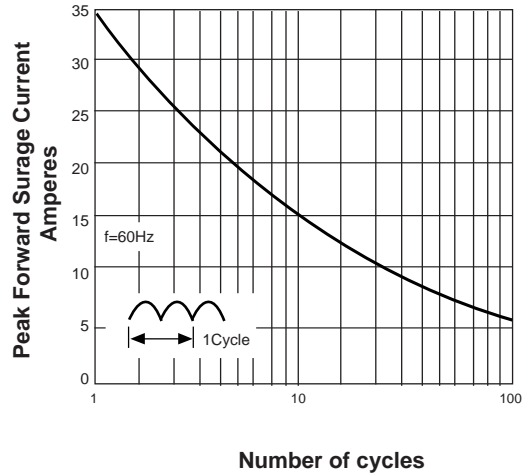


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

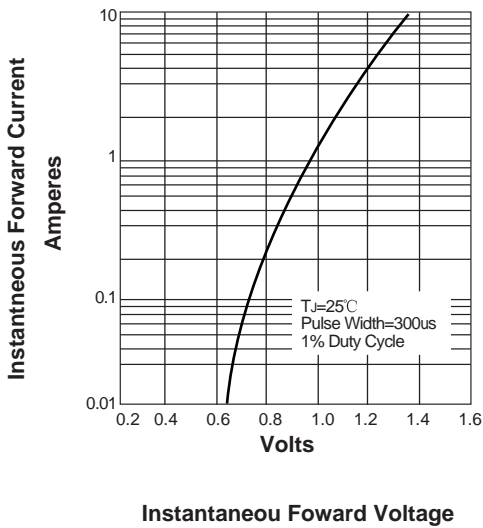


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS

