

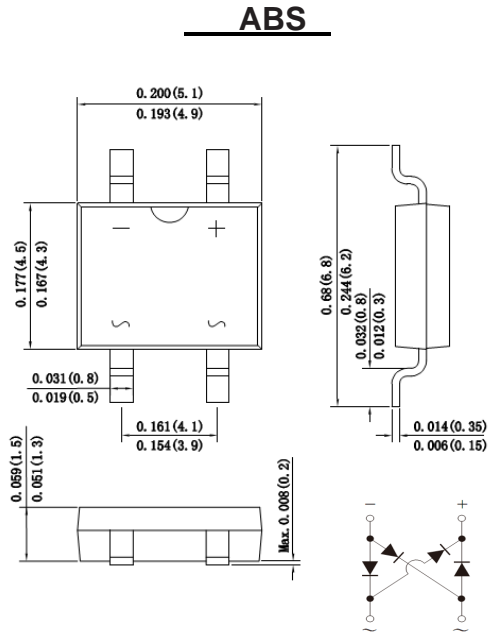
SINGLE PHASE GLASS PASSIVATED SURFACE MOUNT BRIDGE RECTIFIER VOLTAGE: 50 TO 1000V CURRENT: 0.8A

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	ABS2	ABS4	ABS6	ABS8	ABS10	UNITS
Maximum repetitive 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 at T _L =100°C On glass-epoxy P.C.B (Note 1)	I _(AV)	0.8					A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	30.0					A
Rating for fusing (t=8.3ms, T _a =25°C)	I _t ²	3.74					A ² s
Maximum instantaneous forward voltage at 0.4A	V _F	0.95					V
Maximum DC reverse current T _A =25°C at rated DC blocking voltage T _A =125°C	I _R	5.0 500					uA
Typical junction capacitance (Note 2)	C _J	15.0					pF
Typical thermal resistance	R _{qJA}	75.0					°C/W
Operating junction and storage temperature range	T _J , T _{STG}	-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.

RoHS compliant

Ratings And Characteristic Curves

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

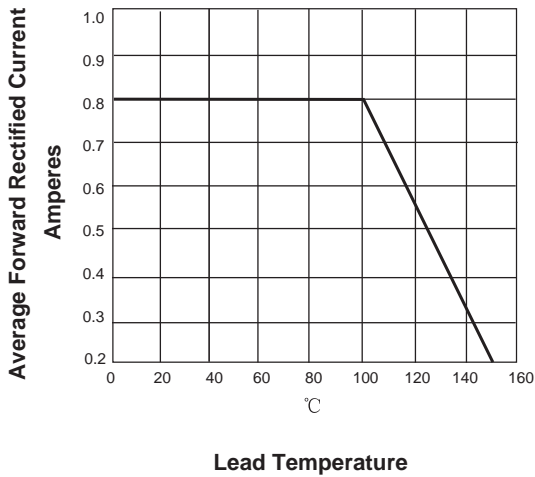


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

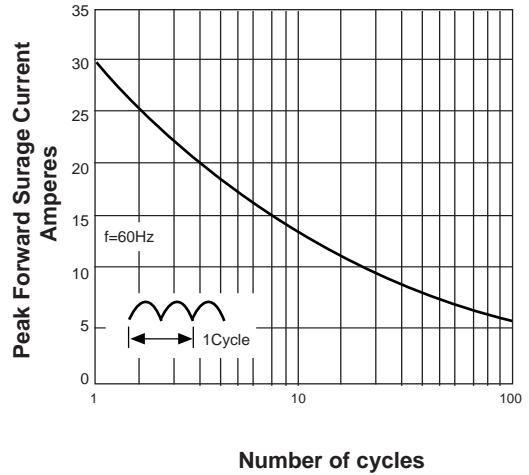


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

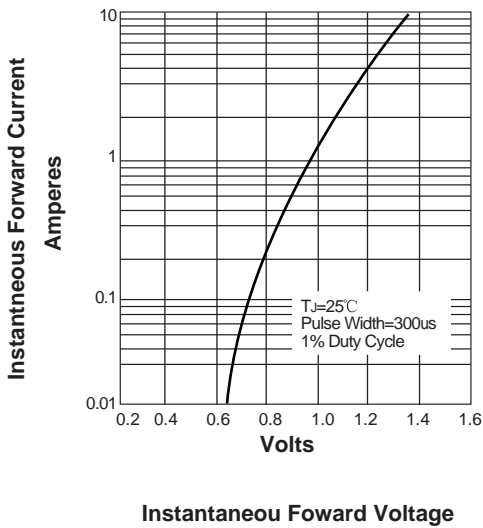


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS

