

Descriptions

This is Single Phase 1.0 Amp Surface mount Bridge Rectifier in ABS Plastic Package

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

Maximum Ratings And Electrical Characteristics

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							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	3.0							A
Maximum Forward Voltage Drop per Bridge Element at 0.4A D.C.	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage Ta=25°C Ta=125°C	5.0 500							μ A μ A
Typical Thermal Resistance R JA ^(Note 2)	75							C/W
Operating Temperature Range, TJ	-55 — +150							°C
Storage Temperature Range, TSTG	-55 — +150							°C

Electrical Characteristic Curve

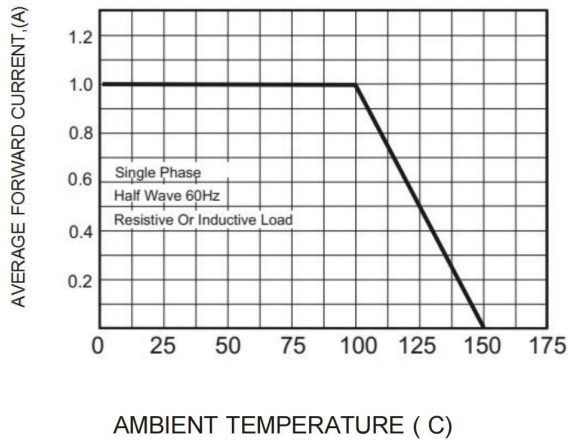


FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

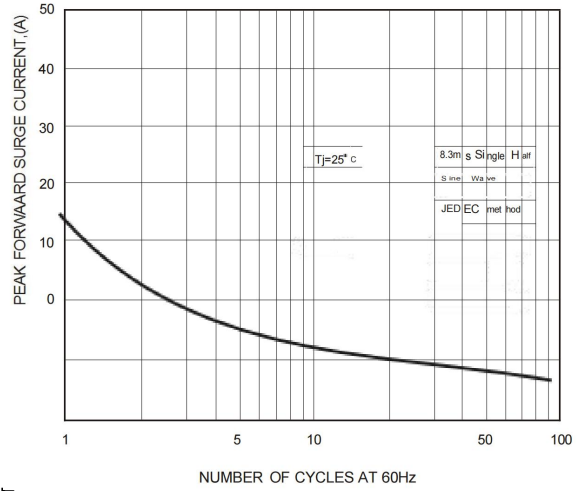


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

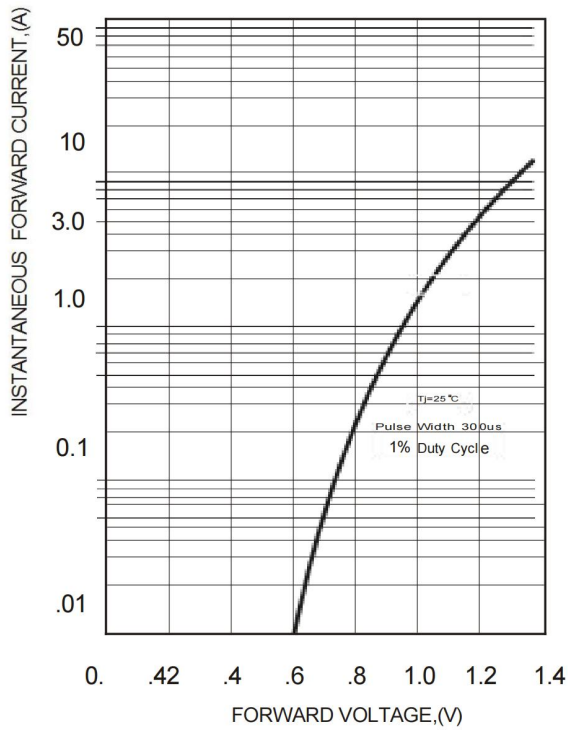


FIG.3-TYPICAL FORWARD CHARACTERISTICS

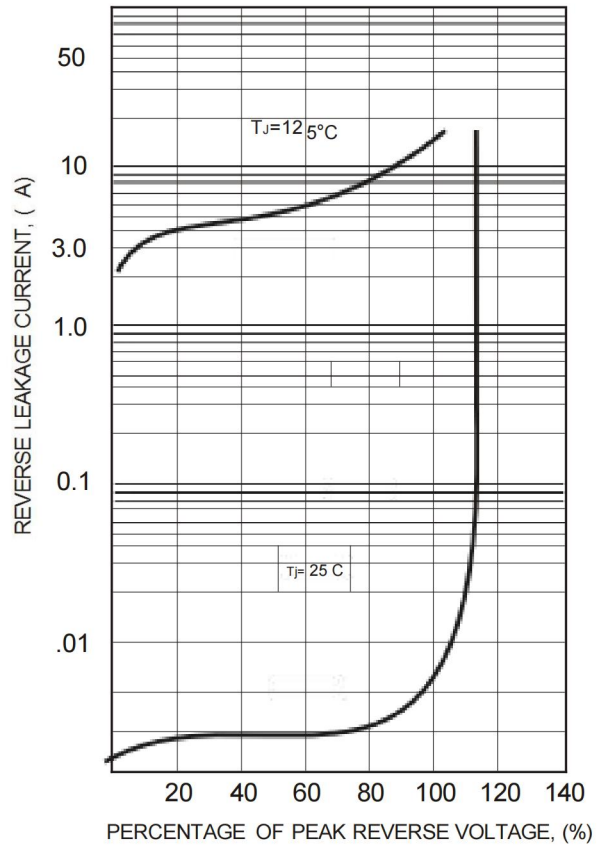
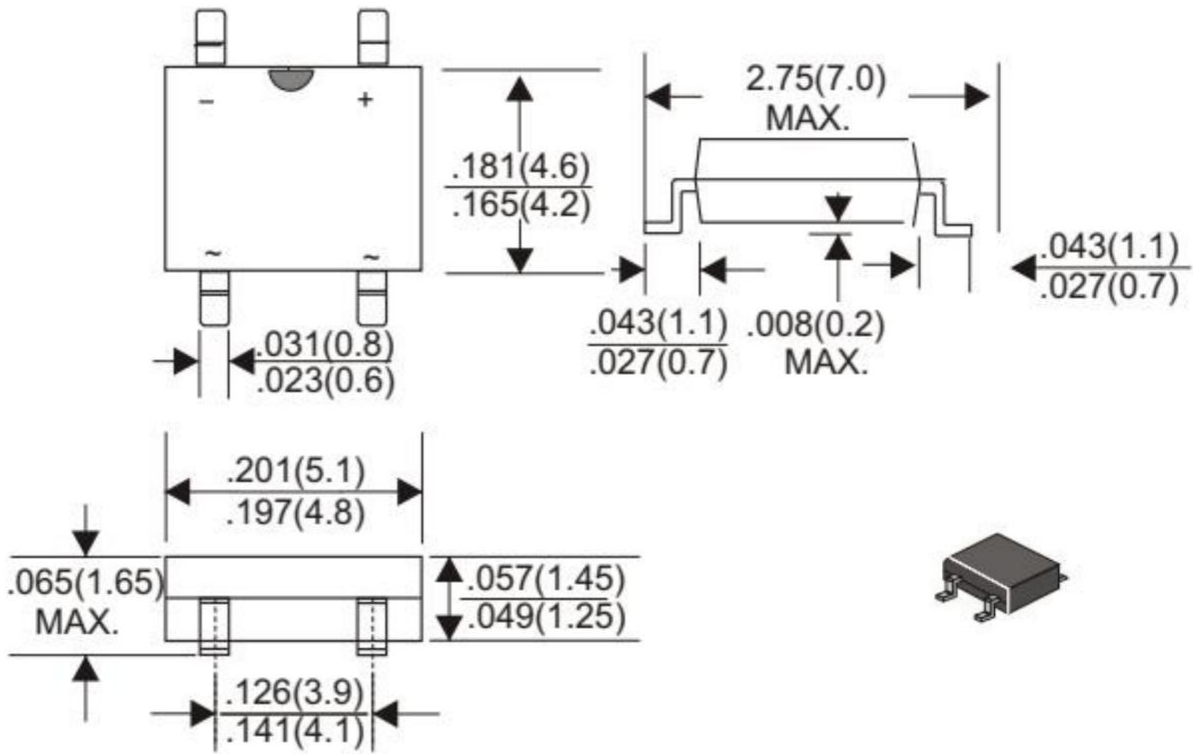


FIG.4-TYPICAL REVERSE CHARACTERISTICS

Package Outline Dimensions

ABS



Dimensions in inches and (millimeters)