

## 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

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

TYPE NUMBER	ABS205	ABS21	ABS22	ABS24	ABS26	ABS28	ABS210	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)	2.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	5.0							A
Maximum Forward Voltage Drop per Bridge Element at 1.0A D.C.	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	5.0 500							Y A Y 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

**NOTES:**

1. Mounted on P.C. Board.
2. Thermal Resistance Junction to Ambient.

Electrical Characteristic Curve

RATING AND CHARACTERISTIC CURVES (ABS205 THRU ABS210)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

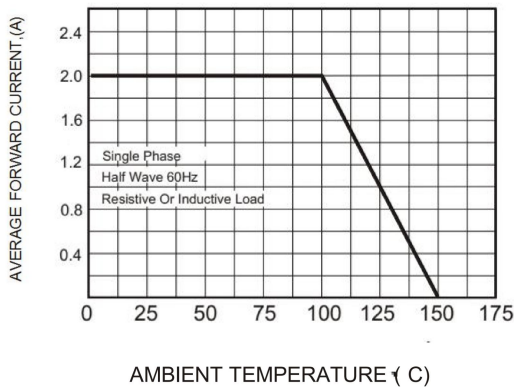


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

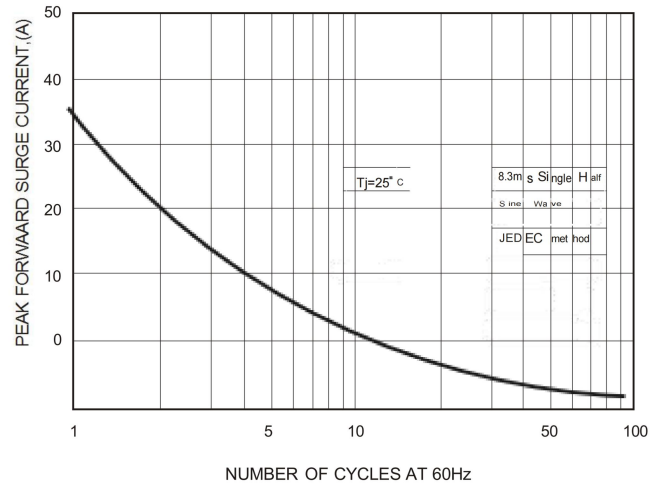


FIG.3-TYPICAL FORWARD CHARACTERISTICS

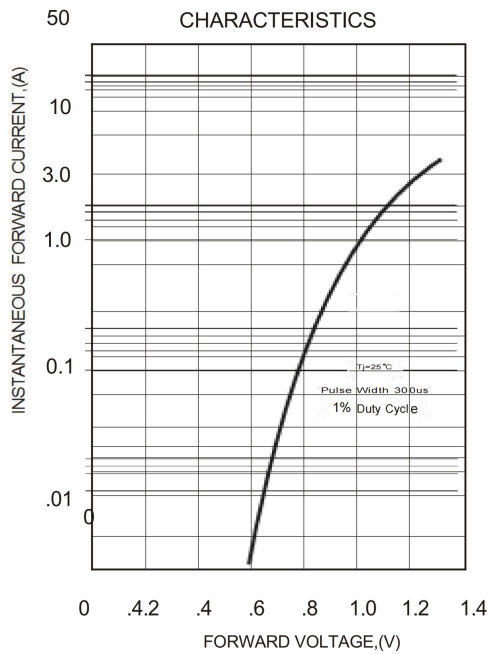
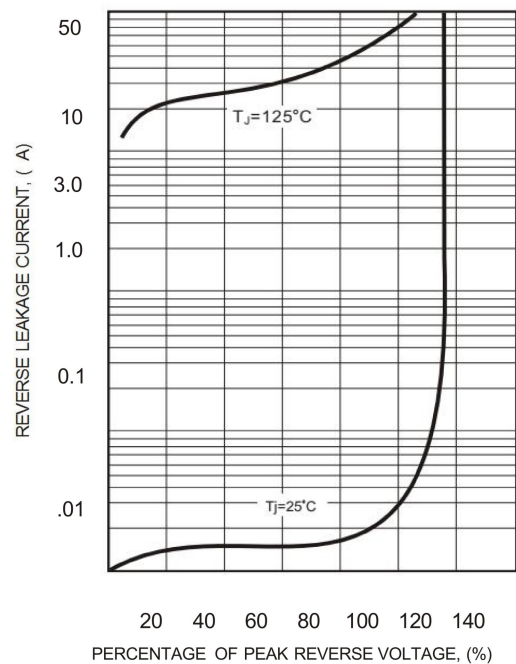
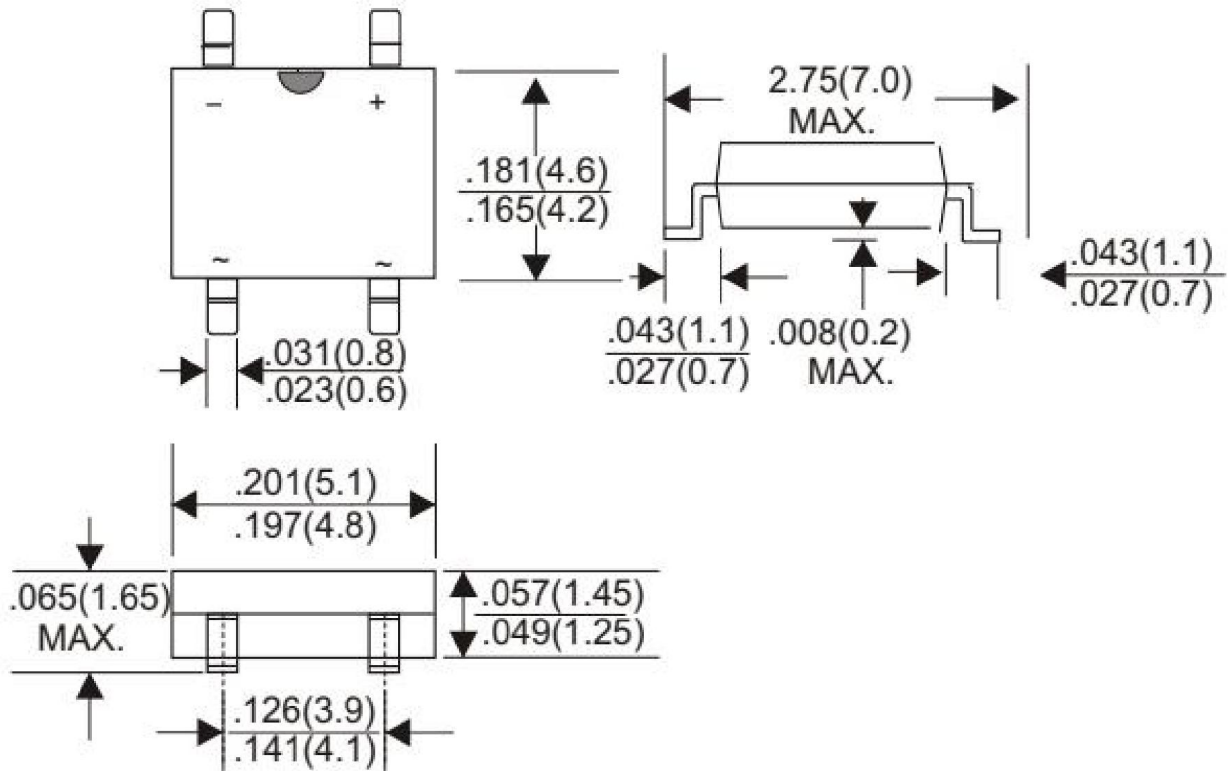


FIG.4-TYPICAL REVERSE CHARACTERISTICS



**Mechanical Data**

**ABS**



Dimensions in inches and (millimeters)