



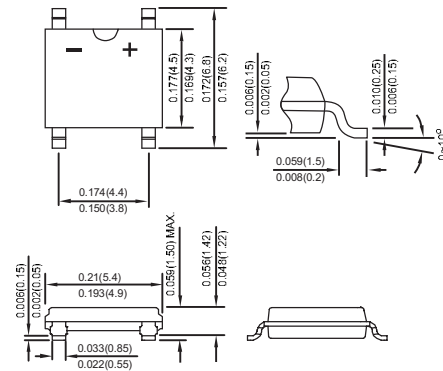
## FEATURES

- ✧ Glass passivated junction
- ✧ Ideal for printed circuit board
- ✧ Reliable low cost construction utilizing molded plastic technique
- ✧ High temperature soldering guaranteed:  
260°C / 10 seconds / 0.375" ( 9.5mm )  
lead length at 5 lbs., ( 2.3 kg ) tension
- ✧ Small size, simple installation  
Pure tin plated terminal , Lead free. Leads  
solderable per MIL-STD-202, Method 208
- ✧ High surge current capability

## MECHANICAL DATA

- ✧ Case: Molded plastic body
- ✧ Mounting position : as Marking
- ✧ Weight: 0.12 grams

ABS



Dimensions in inches and(millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

| CHARACTERISTICS                                                                                        | SYMBOL | RABS05      | RABS1 | RABS2 | RABS4 | RABS6 | RABS8 | RABS10 | UNITS |
|--------------------------------------------------------------------------------------------------------|--------|-------------|-------|-------|-------|-------|-------|--------|-------|
| Maximum Recurrent Peak Reverse Voltage                                                                 | VRRM   | 50          | 100   | 200   | 400   | 600   | 800   | 1000   | V     |
| Maximum RMS Voltage                                                                                    | VRMS   | 35          | 70    | 140   | 280   | 420   | 560   | 700    | V     |
| Maximum DC Blocking Voltage                                                                            | VDC    | 50          | 100   | 200   | 400   | 600   | 800   | 1000   | V     |
| Maximum Average Forward Rectified Current (Note 1) @TA=40 °C                                           | l(AV)  | 1.0         |       |       |       |       |       |        | A     |
| Peak Forward Surge Current<br>8.3ms Single Half Sine-Wave<br>Super Imposed on Rated Load(JEDEC Method) | IFSM   | 30          |       |       |       |       |       |        | A     |
| Peak Forward Voltage at1.0A DC                                                                         | V F    | 1.28        |       |       |       |       |       |        | V     |
| Maximum DC Reverse Current @TJ=25°C<br>at Rated DC Bolcking Voltage @TJ=125°C                          | IR     | 5.0<br>500  |       |       |       |       |       |        | µA    |
| Maximum Reverse Recovery Time (Note 1)                                                                 |        | 150         |       |       |       | 250   | 500   |        | nS    |
| Typical Thermal Resistance (Note2)                                                                     | RθJA   | 80          |       |       |       |       |       |        | °C/W  |
| Operating Temperature Range                                                                            | TJ     | -55 to +150 |       |       |       |       |       |        | °C    |
| Storage Temperature Range                                                                              | TSTG   | -55 to +150 |       |       |       |       |       |        | °C    |

NOTES:1.Mounted on P.C. board.

2.Thermal resistance junction to ambient.

3.The typical data above is for reference only(典型值仅供参考).

### RATING AND CHARACTERISTIC CURVES

FIG.1-FORWARD CURRENT DERATING CURVE

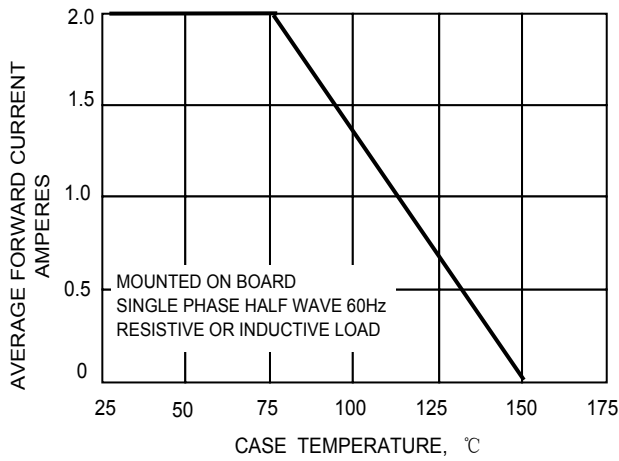


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

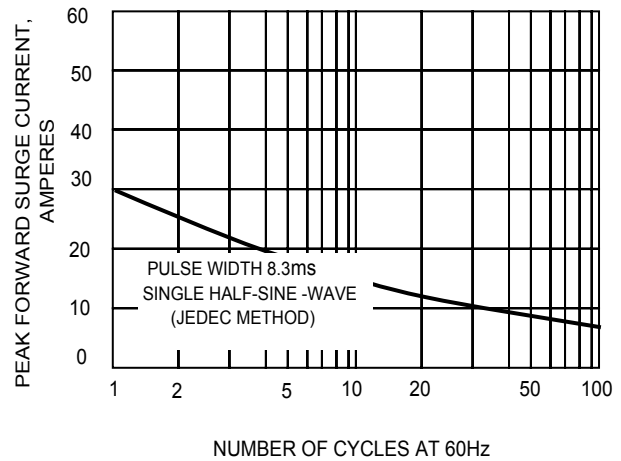


FIG.3-TYPICAL REVERSE CHARACTERISTICS

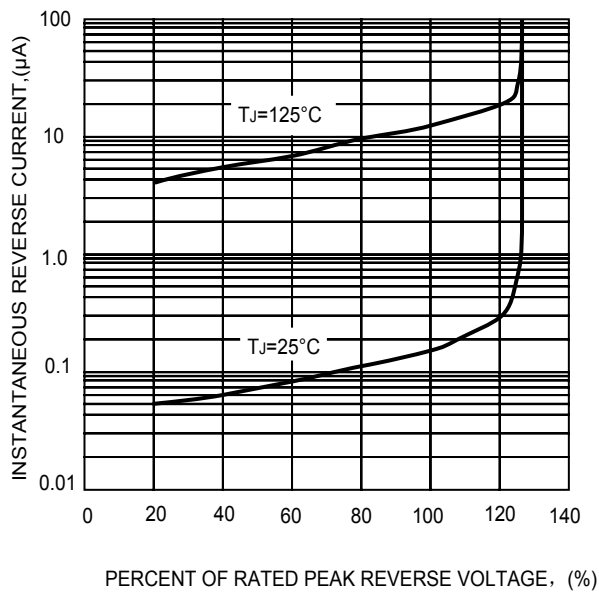


FIG.4-TYPICAL FORWARD CHARACTERISTICS

