

FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any

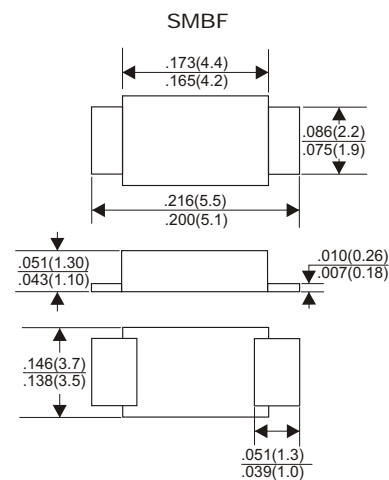


VOLTAGE RANGE

60 Volts

CURRENT

2.0 Ampere



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 | SS26BFL | UNITS |
|--|-------------|-------|
| Maximum Recurrent Peak Reverse Voltage | 60 | V |
| Maximum RMS Voltage | 42 | V |
| Maximum DC Blocking Voltage | 60 | V |
| Maximum Average Forward Rectified Current | | |
| See Fig. 1 | 2.0 | A |
| Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) | 50 | A |
| Maximum Instantaneous Forward Voltage at 2.0A | 0.55 | V |
| Maximum DC Reverse Current Ta=25°C | 0.15 | mA |
| at Rated DC Blocking Voltage Ta=125°C | 30 | mA |
| Typical Junction Capacitance (Note1) | 170 | pF |
| Typical Thermal Resistance R _{JL} (Note 2) | 25 | °C/W |
| Operating Temperature Range T _J | -55 to +125 | °C |
| Storage Temperature Range T _{stg} | -55 to +150 | °C |

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. P.C.B. mounted with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

RATING AND CHARACTERISTIC CURVES (SS26BFL)

FIG.1-FORWARD CURRENT DERATING CURVE

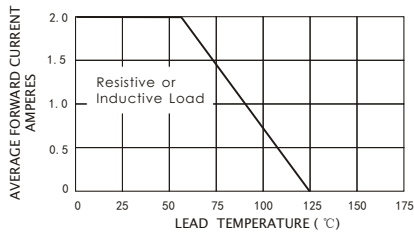


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

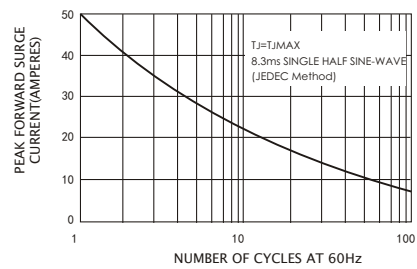


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

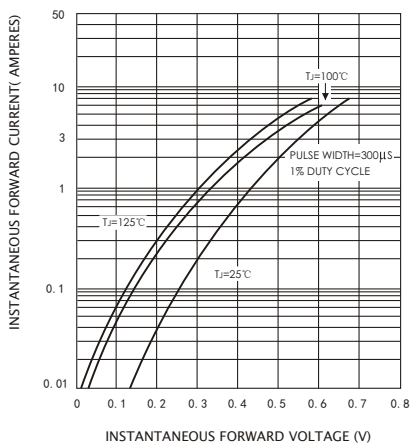


FIG.4-TYPICAL REVERSE CHARACTERISTICS

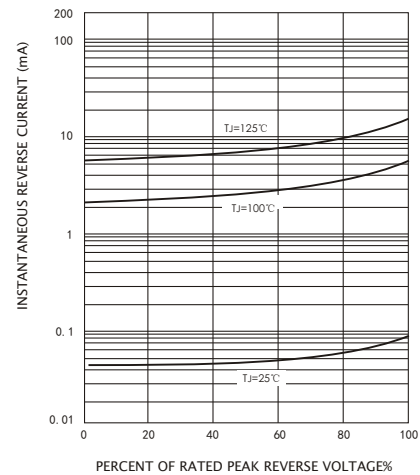


FIG.5-TYPICAL JUNCTION CAPACITANCE

