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SSL34F-MS

Product specification

FEATURES

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

MACHANICAL DATA

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


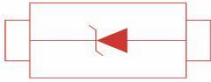

- **VOLTAGE RANGE**

40 Volts

- **CURRENT**

3.0 Ampere

Reference News

| PACKAGE OUTLINE | PIN CONFIGURATION | Marking |
|---|---|---|
|  |  |  |
| <p>SMAF</p> | | |

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 | SSL34F-MS | UNITS |
|---|----------------------------------|----------|
| Maximum Recurrent Peak Reverse Voltage | 40 | V |
| Maximum RMS Voltage | 28 | V |
| Maximum DC Blocking Voltage | 40 | V |
| Maximum Average Forward Rectified Current See Fig. 1 | 3.0 | 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 | 0.46 | V |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | Ta=25 C 0.2 Ta=125°C 30 | mA mA |
| Typical Junction Capacitance (Note1) | 240 | pF |
| Typical Thermal Resistance R _{JA} (Note 2) | 88 | 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 (SSL34F-MS)

FIG.1-FORWARD CURRENT DERATING CURVE

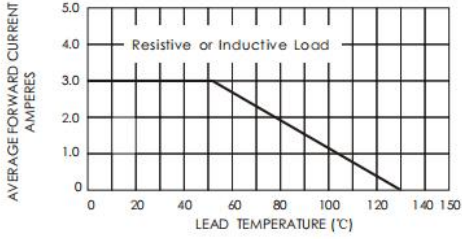


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

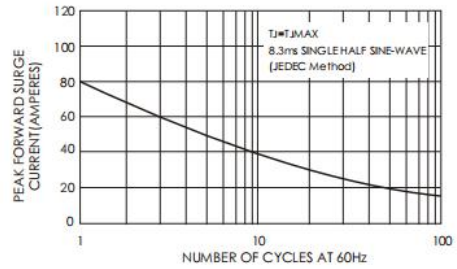


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

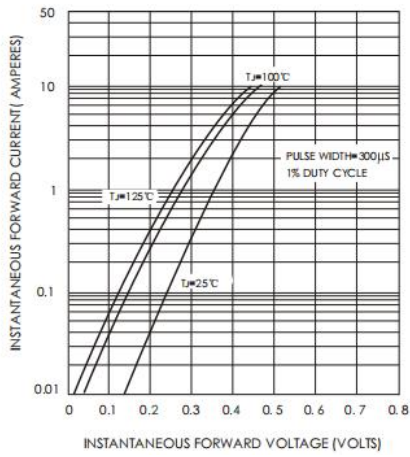


FIG.4-TYPICAL REVERSE CHARACTERISTICS

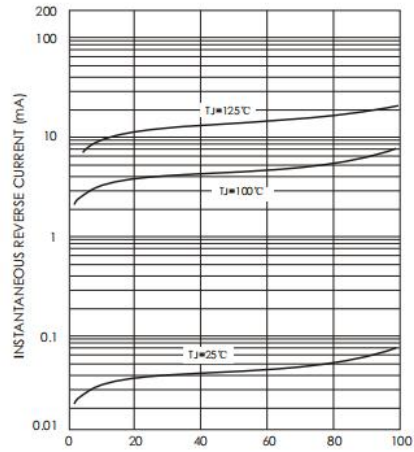
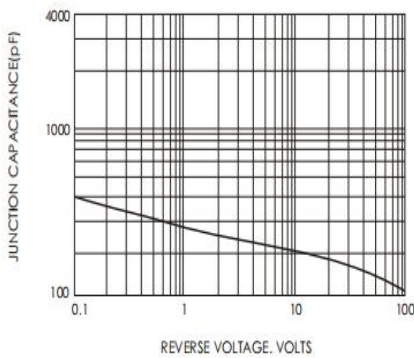
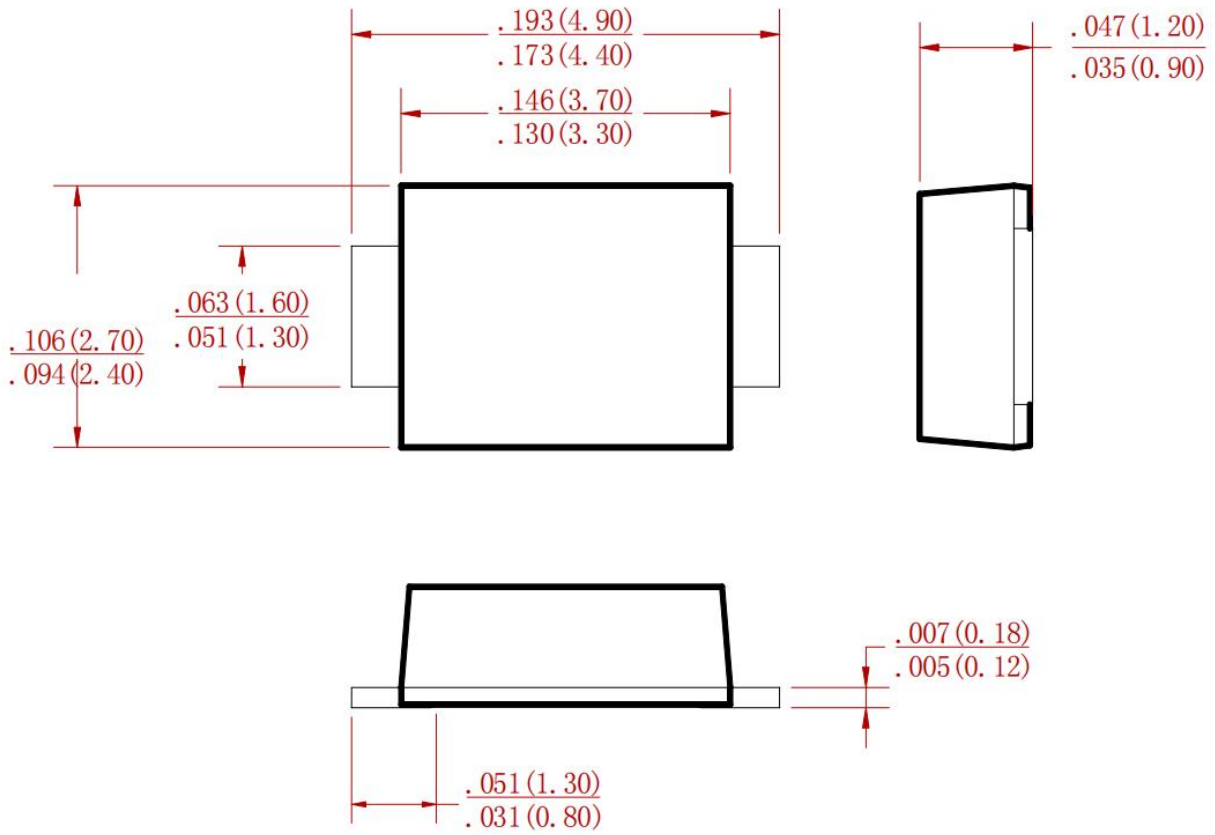


FIG.5-TYPICAL JUNCTION CAPACITANCE



PACKAGE MECHANICAL DATA



Dimensions in inches and (millimeters)

REEL SPECIFICATION

| P/N | PKG | QTY |
|-----------|------|------|
| SSL34F-MS | SMAF | 3000 |

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