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| SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER | Reverse Voltage - 20 to 200 Volts Forward Current - 3.0 Amperes |
| <p>SMAF</p> <p><i>Dimensions in inches and (millimeters)</i></p> | <p>Features</p> <ul style="list-style-type: none"> ➤ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0 ➤ For surface mounted applications ➤ Built-in strain relief, ideal for automated placement ➤ Low reverse leakage ➤ High forward surge current capability ➤ High temperature soldering guaranteed 250°C/10 seconds at terminals <p>Mechanical Data</p> <p>Case : Molded plastic body Terminals : Solder plated, solderable per MIL-STD-750, Method 2026 Polarity : Polarity symbol marking on body Mounting Position : Any Weight : 0.0014 ounce, 0.038 grams</p> |

Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

| Parameter | SYMBOLS | SS32F | SS34F | SS36F | SS38F | SS310F | SS315F | SS320F | UNITS |
|---|------------|-------------|-------|-------|------------|--------|--------|--------|-------|
| Maximum repetitive peak reverse voltage | V_{RRM} | 20 | 40 | 60 | 80 | 100 | 150 | 200 | V |
| Maximum RMS voltage | V_{RMS} | 14 | 28 | 42 | 56 | 70 | 105 | 140 | V |
| Maximum DC blocking voltage | V_{DC} | 20 | 40 | 60 | 80 | 100 | 150 | 200 | V |
| Maximum average forward rectified current at $T_L=100^\circ C$ | $I_{(AV)}$ | 3.0 | | | | | | | A |
| Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load | I_{FSM} | 80.0 | | | | | | | A |
| Maximum instantaneous forward voltage at 3.0A | V_F | 0.55 | 0.70 | 0.85 | 0.95 | | | | V |
| Maximum DC reverse current $T_A = 25^\circ C$ at rated DC blocking voltage $T_A = 125^\circ C$ | I_R | 0.5 50 | | | 0.05 10 | | | | mA |
| Typical thermal resistance | R_{QJA} | 70.0 | | | | | | | °C/W |
| Operating junction temperature range | T_J | -55 to +150 | | | | | | | °C |
| Storage temperature range | T_{STG} | -55 to +150 | | | | | | | °C |

Ratings And Characteristic Curves

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

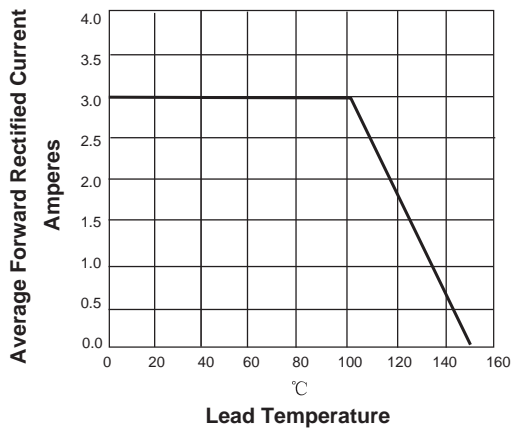


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PERLEG

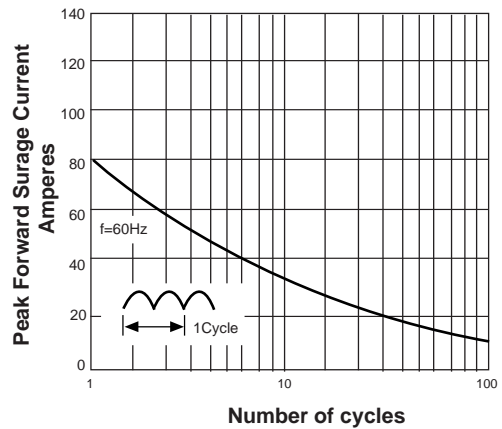


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

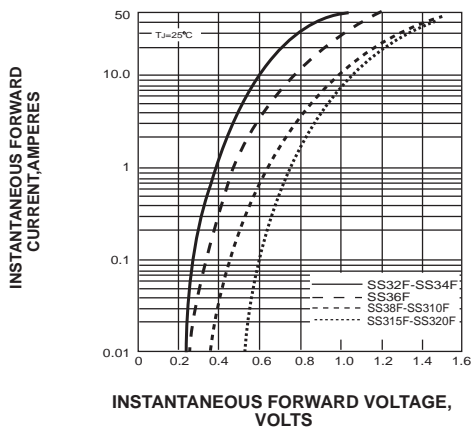
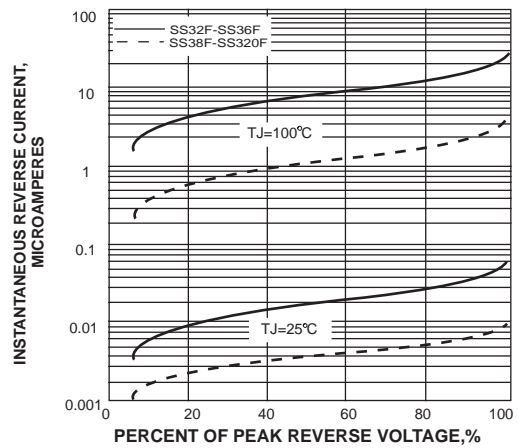


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)