

| SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER | | Reverse Voltage - 20 to 200 Volts Forward Current -5.0 Ampere | | | | | | | |
|--|-------------------|---|------|------------|------|-------|-------|-------|-------|
| <p>DO-214AC/SMA</p> <p style="text-align: center;"><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</p> <p>Terminals : Solder plated, solderable per MIL-STD-750, Method 2026</p> <p>Polarity : Polarity symbol marking on body</p> <p>Mounting Position : Any</p> <p>Weight : 0.0023 ounce, 0.07 grams</p> | | | | | | | |
| <p>Maximum Ratings And Electrical Characteristics</p> <p>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%.</p> | | | | | | | | | |
| Parameter | SYMBOLS | SS52 | SS54 | SS56 | SS58 | SS510 | SS515 | SS520 | 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°C | I _(AV) | 5.0 | | | | | | | A |
| Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load | I _{FSM} | 120.0 | | | | | | | A |
| Maximum instantaneous forward voltage at 5.0A | V _F | 0.55 | 0.70 | 0.85 | 0.95 | | | | V |
| Maximum DC reverse current at rated DC blocking voltage T _A =25°C T _A =125°C | I _R | 0.5 50 | | 0.05 10 | | | | | mA |
| Typical thermal resistance | R _{qJA} | 80.0 | | | | | | | °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

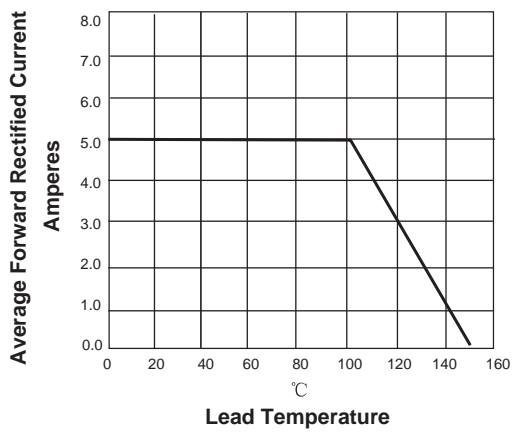


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

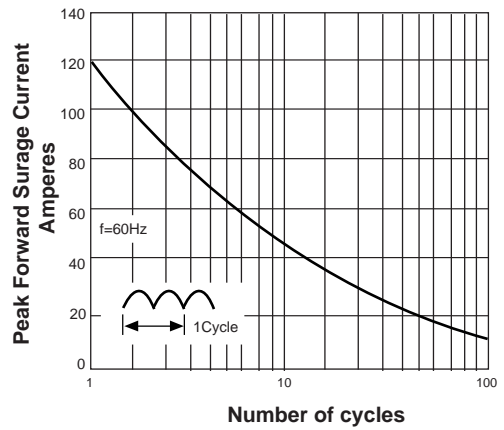


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

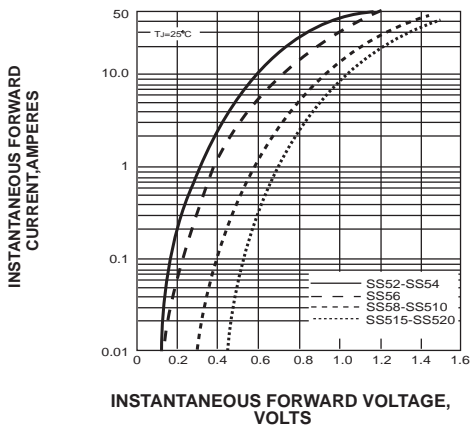
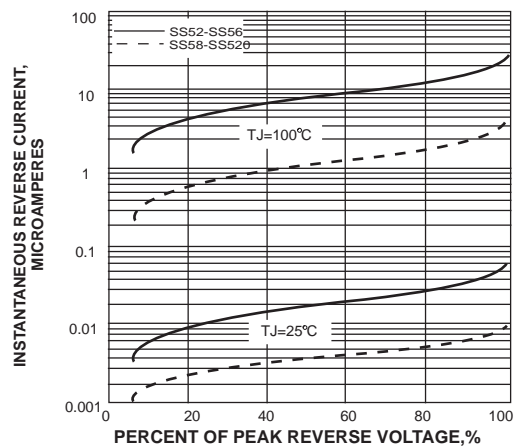


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)