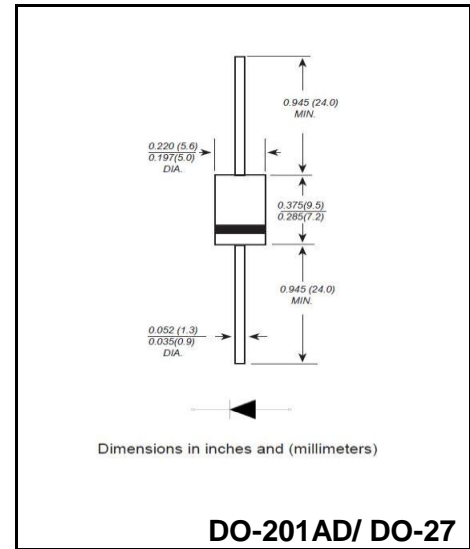


**Schottky Barrier Rectifiers**
**Reverse Voltage - 20 to 200 V**
**Forward Current - 3 A**
**FEATURES**

- ◆ Guardring for overvoltage protection
- ◆ Low reverse leakage
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed  
250°C /10 seconds at terminals
- ◆ Lead free in comply with EU RoHS 2011/65/EU directives

**MECHANICAL DATA**

- ◆ Case: DO-201AD/ DO-27
- ◆ Terminals: Solderable per MIL-STD-750, Method 2026
- ◆ Approx. Weight: 0.98 g / 0.0345oz


**Maximum Ratings and Electrical characteristics**

Ratings at 25 °C ambient temperature unless otherwise specified.

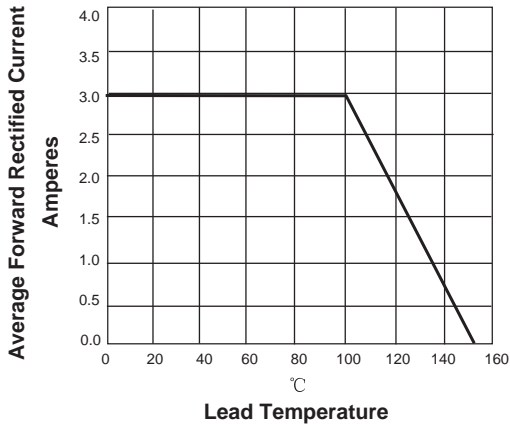
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

| Parameter   | Symbols         | SR320      | SR340 | SR360 | SR380      | SR3100 | SR3150 | SR3200 | 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 $T_c = 100\text{ }^\circ\text{C}$  | $I_{F(AV)}$     | 3.0        |       |       |            |        |        |        | A                  |
| Peak Forward Surge Current 8.3 ms 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 $T_a = 25\text{ }^\circ\text{C}$<br>at Rated DC Blocking Voltage $T_a = 125\text{ }^\circ\text{C}$ | $I_R$           | 0.5<br>50  |       |       | 0.05<br>10 |        |        | mA     |                    |
| Typical Thermal Resistance  | $R_{\theta JA}$ | 55         |       |       |            |        |        |        | $^\circ\text{C/W}$ |
| Operating junction temperature range  | $T_j$           | -55 ~ +150 |       |       |            |        |        |        | $^\circ\text{C}$   |
| Storage Temperature Range   | $T_{stg}$       | -55 ~ +150 |       |       |            |        |        |        | $^\circ\text{C}$   |

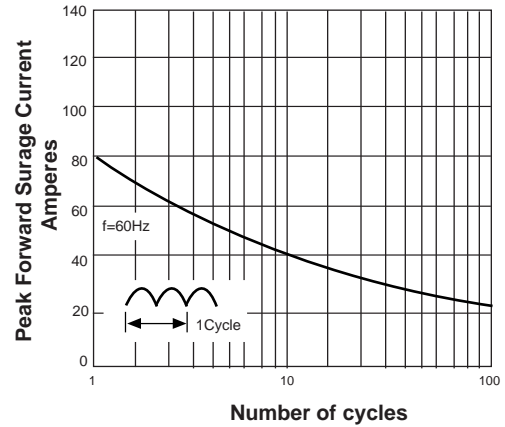
(1) Measured at 1 MHz and applied reverse voltage of 4 V D.C

**Ratings And Characteristic Curves**

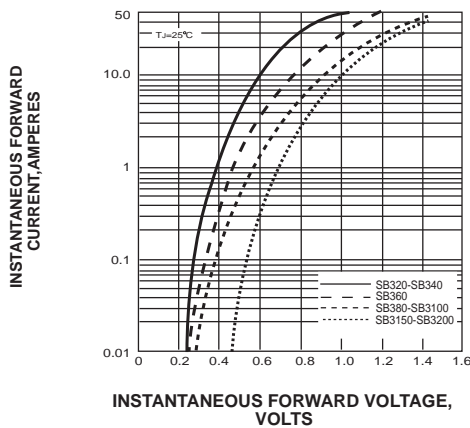
**FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT**



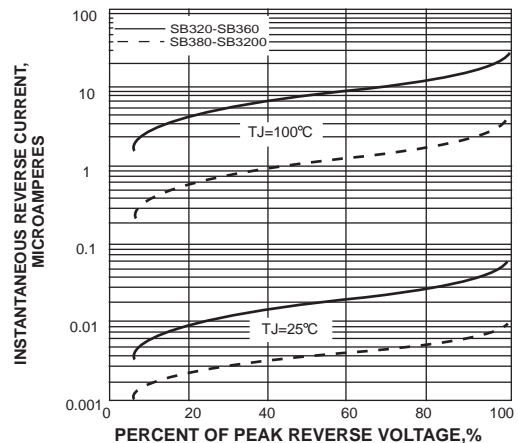
**FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG**



**FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS**



**FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS**



**Package Outline DO-201AD(DO-27)**



| DIMENSIONS |        |      |       |      |      |
|------------|--------|------|-------|------|------|
| DIM        | INCHES |      | MM    |      | NOTE |
|            | MIN    | MAX  | MIN   | MAX  |      |
| A          | ---    | .370 | ---   | 9.50 |      |
| B          | ---    | .250 | ---   | 6.40 |      |
| C          | .048   | .052 | 1.20  | 1.30 |      |
| D          | 1.000  | ---  | 25.40 | ---  |      |

**Summary of Packing Options**

| Package         | Packing Description | Packing Quantity | Industry Standard |
|-----------------|---------------------|------------------|-------------------|
| DO-201AD(DO-27) | BOX                 | 250/1000/1250    | EIA-481-1         |

单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)