

**SMB Schottky Barrier Rectifier Diode 肖特基势垒整流二极管**

■ **Features 特点**

Low forward voltage drop 低正向压降  
High current capability 高电流能力  
Surface mount device 表面贴装器件  
Case 封装:SMB(DO-214AA)



■ **Maximum Rating 最大额定值**

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

| Characteristic 特性参数              | Symbol 符号       | SS110LB                      | Unit 单位                     |
|----------------------------------|-----------------|------------------------------|-----------------------------|
| Peak Reverse Voltage 反向峰值电压      | $V_{RRM}$       | 100                          | V                           |
| DC Reverse Voltage 直流反向电压        | $V_R$           | 100                          | V                           |
| RMS Reverse Voltage 反向电压均方根值     | $V_{R(RMS)}$    | 70                           | V                           |
| Forward Rectified Current 正向整流电流 | $I_F$           | 1                            | A                           |
| Peak Surge Current 峰值浪涌电流        | $I_{FSM}$       | 50                           | A                           |
| Thermal Resistance J-A 结到环境热阻    | $R_{\theta JA}$ | 65                           | $^{\circ}\text{C}/\text{W}$ |
| Thermal Resistance J-L 结到管脚热阻    | $R_{\theta JL}$ | 16                           | $^{\circ}\text{C}/\text{W}$ |
| Junction Temperature 结温          | $T_J$           | 150                          | $^{\circ}\text{C}$          |
| Storage Temperature 储藏温度         | $T_{stg}$       | -55to+150 $^{\circ}\text{C}$ | $^{\circ}\text{C}$          |

■ **Electrical Characteristics 电特性**

( $T_A=25^{\circ}\text{C}$  unless otherwise noted 如无特殊说明, 温度为  $25^{\circ}\text{C}$ )

| Characteristic 特性参数  | Symbol 符号                  | Type 典型值 | Max 最大值 | Unit 单位       | Condition 条件    |
|----------------------|----------------------------|----------|---------|---------------|-----------------|
| Forward Voltage 正向电压 | $V_F$                      | 0.67     | 0.75    | V             | $I_F=1\text{A}$ |
| Reverse Current 反向电流 | $I_R(25^{\circ}\text{C})$  | 0.5      | 10      | $\mu\text{A}$ | $V_R=V_{RRM}$   |
| Reverse Current 反向电流 | $I_R(100^{\circ}\text{C})$ | 1        | 20      | mA            | $V_R=V_{RRM}$   |

■ Typical Characteristic Curve 典型特性曲线

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

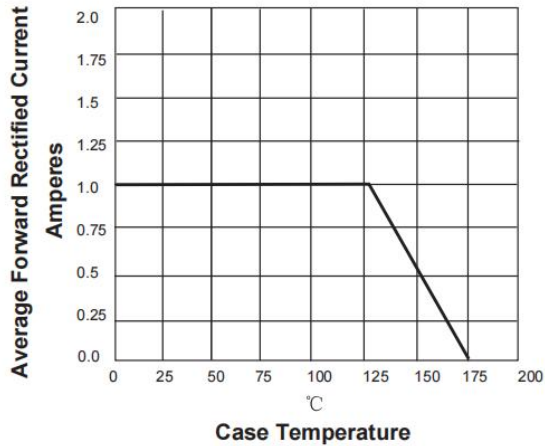


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

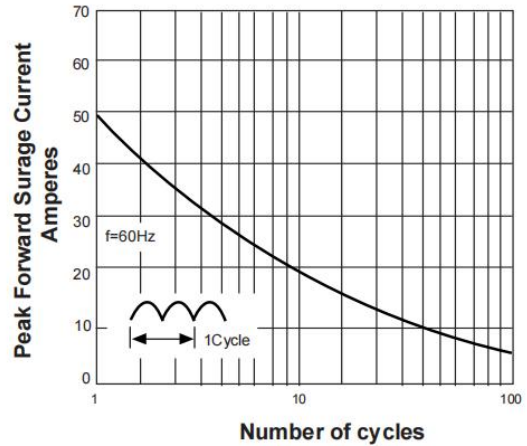


FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

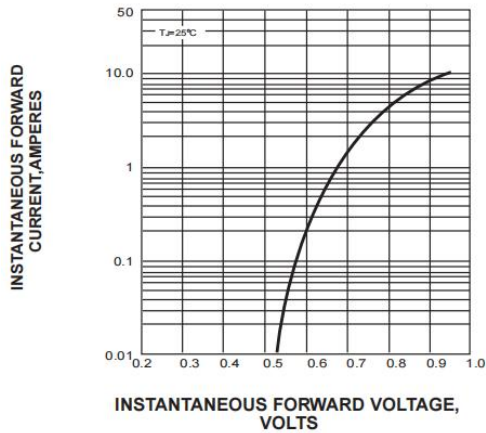
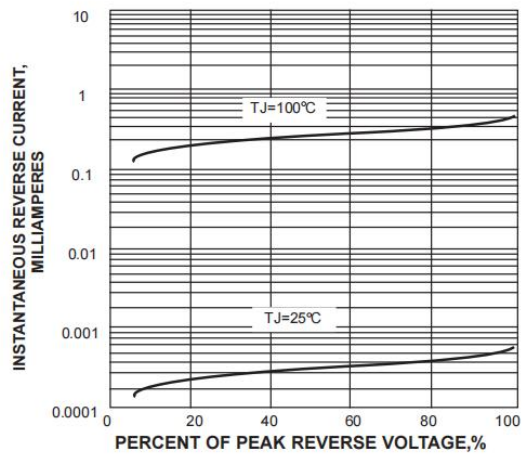
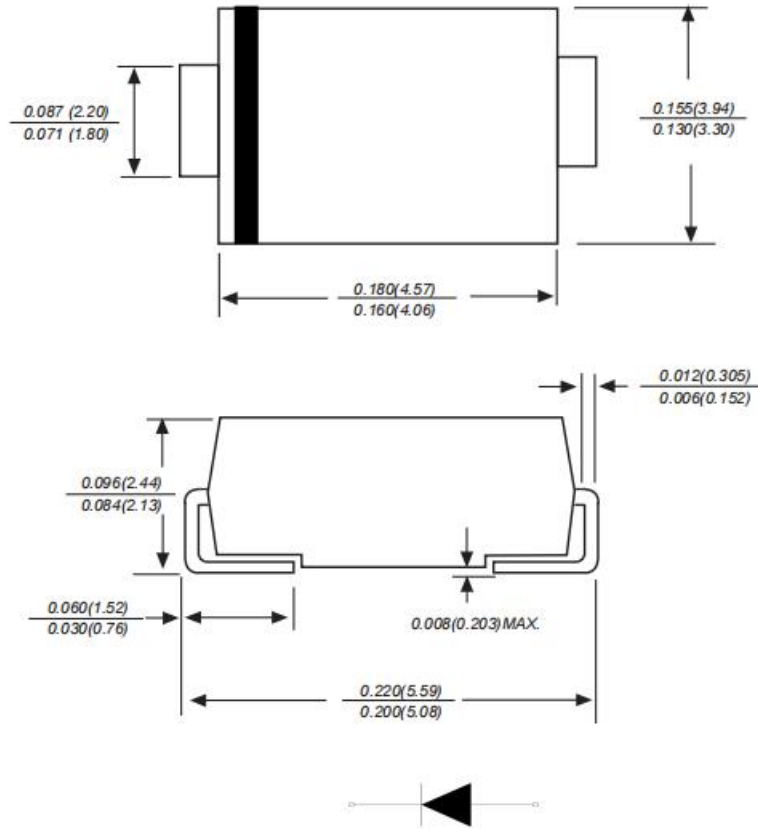


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



■Dimension 外形封装尺寸



Dimensions in inches and (millimeters)