

SOD-123FL 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:SOD-123FL



■ **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°C)

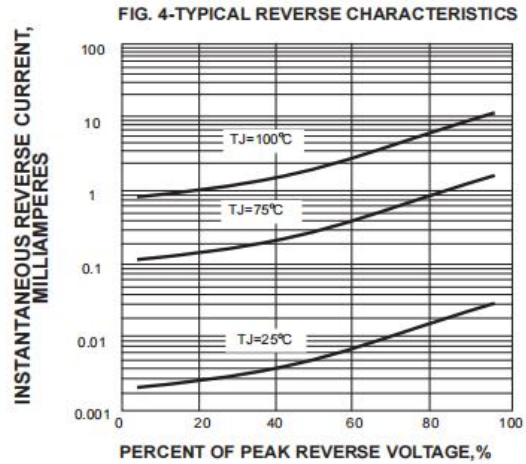
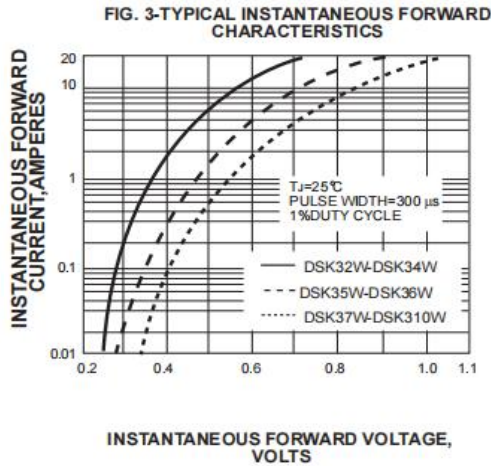
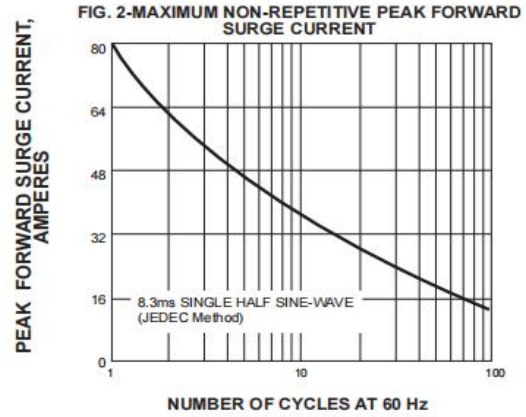
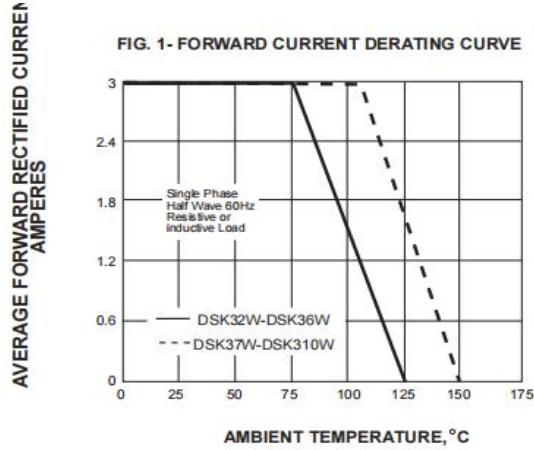
| Characteristic 特性参数 | Symbol 符号 | DSK32W | DSK33W | DSK34W | DSK35W | DSK36W | DSK37W | DSK38W | DSK39W | DSK310W | Unit 单位 |
|--------------------------------------|-----------------|------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|-----------------------------|
| Peak Reverse Voltage 反向峰值电压 | V_{RRM} | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | V |
| DC Reverse Voltage 直流反向电压 | V_R | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | V |
| RMS Reverse Voltage 反向电压均方根值 | $V_{R(RMS)}$ | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | V |
| Forward Rectified Current 正向整流电流 | I_F | 3 | | | | | | | | | A |
| Peak Surge Current 峰值浪涌电流 | I_{FSM} | 80 | | | | | | | | | A |
| Thermal Resistance J-L 结到管脚热阻 | $R_{\theta JL}$ | 10 | | | | | | | | | $^{\circ}\text{C}/\text{W}$ |
| Junction/Storage Temperature 结温/储藏温度 | T_J, T_{stg} | -50to+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°C)

| Characteristic 特性参数 | Symbol 符号 | DSK32W | DSK33W- DSK34W | DSK35W- DSK36W | DSK37W- DSK310W | Unit 单位 | Condition 条件 |
|-------------------------|--|-----------|-------------------|-------------------|--------------------|---------|--------------------------------------|
| Forward Voltage 正向电压 | V_F | 0.52 | 0.55 | 0.70 | 0.85 | V | $I_F=3\text{A}$ |
| Reverse Current 反向电流 | $I_R(25^{\circ}\text{C})$ (100°C) | 0.5 20 | | | 0.5 10 | mA | $V_R=V_{RRM}$ |
| Diode Capacitance 二极管电容 | C_D | 200 | | | | pF | $V_R=4\text{V}$, $f=1\text{MHz}$ |

■ Typical Characteristic Curve 典型特性曲线



■ SOD-123FL Dimension 外形封装尺寸 Unit in millimeters 单位：毫米

