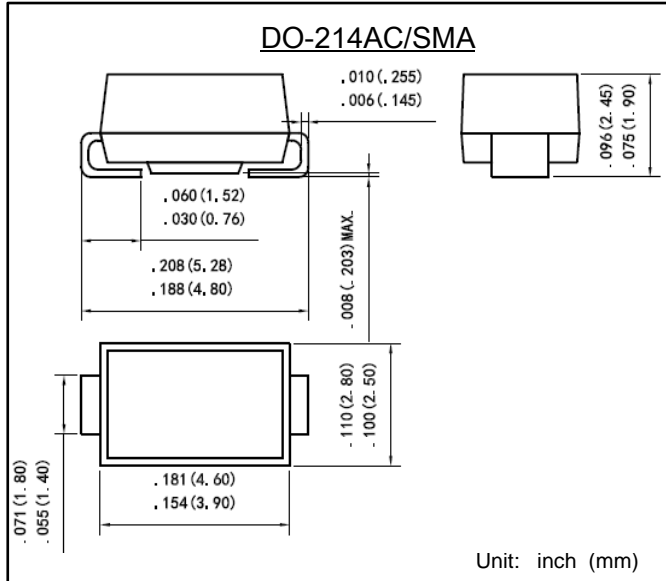




表面安装肖特基二极管  
反向电压 20 ~ 100 V  
正向电流 3.0 A

Surface Mounted Low VF Schottky Barrier Rectifiers  
Reverse Voltage 20 ~ 100 V  
Forward Current 3.0 A



**特征 Features**

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力强 High forward surge capability
- 高信赖性 High reliability
- 高温焊接保证 High temperature soldering guaranteed:  
260°C/10 秒  
260°C/10seconds
- 引线 and 管体皆符合RoHS标准  
Lead and body according with RoHS standard
- 型号后缀“-F”标记无卤素产品  
Green compound with suffix "-F" on Marking

**机械数据 Mechanical Data**

- 封装外形:DO-214AC塑封 Case:DO-214AC Molded plastic
- 环氧树脂 : UL易燃等级 : 94V-0  
Epoxy: UL 94V-0 rate flame retardant
- 引脚 : 镀锡,无铅 Lead: Pure tin plated, lead free

**最大值和特性** TA = 25°C 除非另有规定。

**Maximum Ratings & Characteristics** Ratings at 25°C ambient temperature unless otherwise specified.

| 参数<br>Parameter  | 符号<br>Symbols                      | SS<br>32LA   | SS<br>33LA | SS<br>34LA | SS<br>35LA | SS<br>36LA | SS<br>37LA | SS<br>38LA | SS<br>39LA | SS<br>310LA | 单位<br>Unit |      |
|--|------------------------------------|--------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------|
| 最大可重复峰值反向电压<br>Maximum repetitive peak reverse voltage   | $V_{RRM}$                          | 20           | 30         | 40         | 50         | 60         | 70         | 80         | 90         | 100         | V          |      |
| 最大均方根电压<br>Maximum RMS voltage   | $V_{RMS}$                          | 14           | 21         | 28         | 35         | 42         | 49         | 56         | 63         | 70          | V          |      |
| 最大直流阻断电压<br>Maximum DC blocking voltage  | $V_{DC}$                           | 20           | 30         | 40         | 50         | 60         | 70         | 80         | 90         | 100         | V          |      |
| 最大正向平均整流电流<br>Maximum average forward rectified current  | $I_{F(AV)}$                        | 3.0          |            |            |            |            |            |            |            |             | A          |      |
| 正向不重复浪涌电流 8.3 ms单一正弦半波<br>Non-repetitive peak forward surge current<br>8.3 ms singlehalf sine-wave | $I_{FSM}$                          | 80           |            |            |            |            |            |            |            |             | A          |      |
| 最大正向电压 @IF=3.0A<br>Maximum forward voltage   | $V_F$                              | 0.46         |            |            | 0.55       |            | 0.75       |            |            | V           |            |      |
| 最大反向电流 @V <sub>DC</sub> TA= 25°C<br>Maximum reverse current TA= 100°C                              | $I_R$                              | 0.5          |            |            |            |            |            |            |            |             | 50         | mA   |
| 典型热阻 Typical thermal resistance<br>(Note 1)  | $R_{\theta JA}$<br>$R_{\theta JL}$ | 105          |            |            |            |            |            |            |            |             | 35         | °C/W |
| 典型结电容 VR=4.0V,f=1MHz<br>Type junction capacitance  | $C_J$                              | 130          |            |            |            |            |            |            |            |             | pF         |      |
| 工作结温<br>Operating junction   | $T_J$                              | -55 --- +125 |            |            |            |            |            |            |            |             | °C         |      |
| 存储温度<br>Storage temperature rang   | $T_{STG}$                          | -55 --- +150 |            |            |            |            |            |            |            |             | °C         |      |

备注 Note:

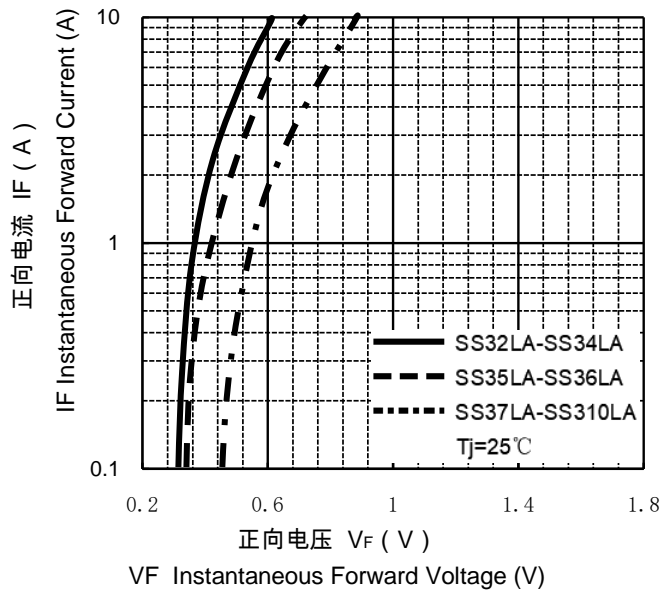
- 1) 安装在PCB板上，从PN结到周围环境的热阻。
- 1) Thermal resistance from junction to ambient , PCB mounted.



特性曲线 Characteristic Curves

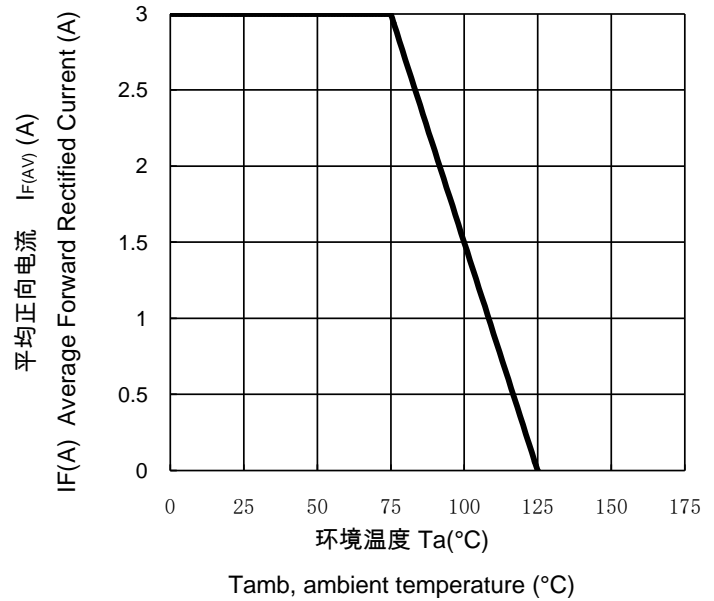
正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC



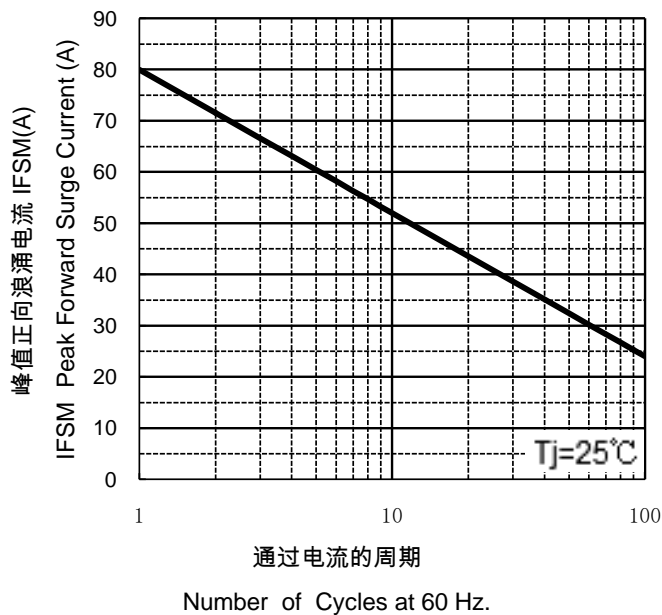
正向电流降额曲线

FORWARD CURRENT DERATING CURVE



浪涌特性曲线 (最大值)

MAXIMUM NON REPETITIVE  
PEAK FORWARD SURGE CURRENT



反向特性曲线

Typical Reverse Characteristics

