

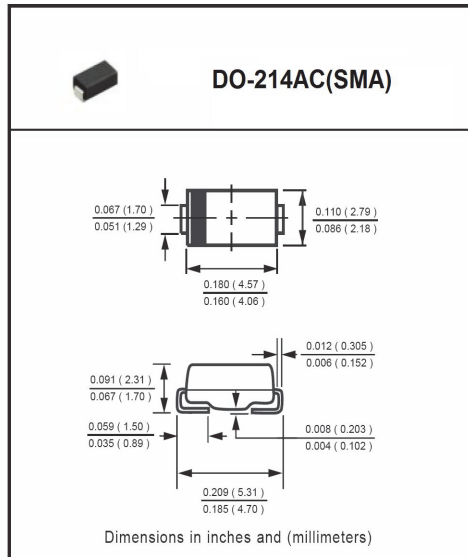


SHANGSI

表面安装肖特基二极管  
反向电压20 --- 100 V  
正向电流2.0A

## SS22A thru SS220A

Surface Mount Schottky Barrier Rectifiers  
Reverse Voltage 20 to 100 V  
Forward Current 2.0 A



## 特征 Features

- 大电流承受能力。High Current Capability
- 正向压降低。Low Forward Voltage Drop
- 高温焊接保证 260℃/10 秒 High temperature soldering guaranteed: 260℃/10seconds at terminals
- 引线 and 管体皆符合 RoHS 标准。  
Lead and body according with RoHS standard

## 机械数据 Mechanical Data

- 封装: 塑料封装 Case: Molded plastic body
- 端子: 焊料被镀 Terminals: Solder plated
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性  $T_A = 25^\circ\text{C}$  除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at  $25^\circ\text{C}$  ambient temperature unless otherwise specified.

|                                                                                  | Symbols         | SS22A      | SS23A | SS24A | SS25A | SS26A | SS28A | SS210A | SS215A | SS220A | Unit               |
|----------------------------------------------------------------------------------|-----------------|------------|-------|-------|-------|-------|-------|--------|--------|--------|--------------------|
| 最大峰值反向电压<br>Maximum repetitive peak reverse voltage                              | $V_{RRM}$       | 20         | 30    | 40    | 50    | 60    | 80    | 100    | 150    | 200    | V                  |
| 最大反向有效值电压<br>Maximum RMS voltage                                                 | $V_{RMS}$       | 14         | 21    | 28    | 35    | 42    | 56    | 70     | 105    | 140    | V                  |
| 最大直流阻断电压<br>Maximum DC blocking voltage                                          | $V_{DC}$        | 20         | 30    | 40    | 50    | 60    | 80    | 100    | 150    | 200    | V                  |
| 最大正向平均整流电流<br>Maximum average forward rectified current                          | $I_{F(AV)}$     | 2.0        |       |       |       |       |       |        |        |        | A                  |
| 正向峰值浪涌电流 8.3ms 单一正弦半波<br>Peak forward surge current 8.3 ms single half sine-wave | $I_{FSM}$       | 50         |       |       |       |       |       |        |        |        | A                  |
| 典型热阻<br>Typical thermal resistance                                               | $R_{\theta JA}$ | 75         |       |       |       |       |       |        |        |        | $^\circ\text{C/W}$ |
| 工作结温和存储温度<br>Operating junction and storage temperature range                    | $T_J, T_{STG}$  | -50---+150 |       |       |       |       |       |        |        |        | $^\circ\text{C}$   |

电特性  $T_A = 25^\circ\text{C}$  除非另有规定。

Electrical Characteristics Ratings at  $25^\circ\text{C}$  ambient temperature unless otherwise specified.

|                                                           | Symbols | SS22A | SS23A | SS24A | SS25A | SS26A | SS28A | SS210A | SS215A | SS220A | Unit |    |
|-----------------------------------------------------------|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|------|----|
| 最大正向电压 $I_F = 2.0A$<br>Maximum forward voltage            | $V_F$   | 0.5   |       |       | 0.7   |       | 0.85  |        | 0.90   |        | V    |    |
| 最大反向漏电流 $T_A = 25^{\circ}C$<br>Maximum reverse current    | $I_R$   | 0.5   |       |       |       |       |       |        |        |        |      | mA |
| 典型结电容 $V_R = 4.0V, f = 1MHz$<br>Type junction capacitance | $C_J$   | 45    |       |       |       |       |       |        |        |        |      | pF |

## 特性曲线 CHARACTERITIC CURVES

图1: 正向电流降额曲线  
FIG.1: FORWARD CURRENT DERATING CURVE

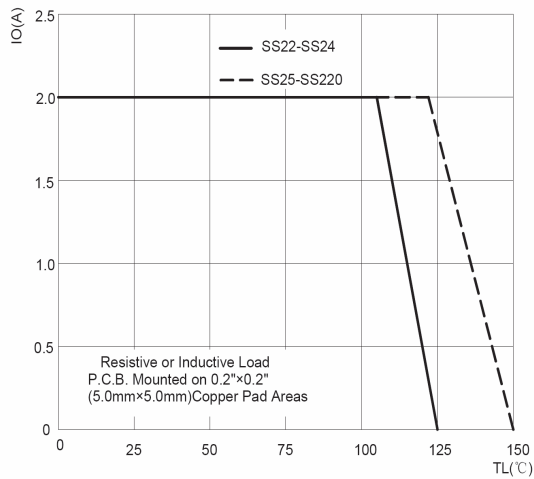


图2: 最大正向浪涌冲击耐受力  
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

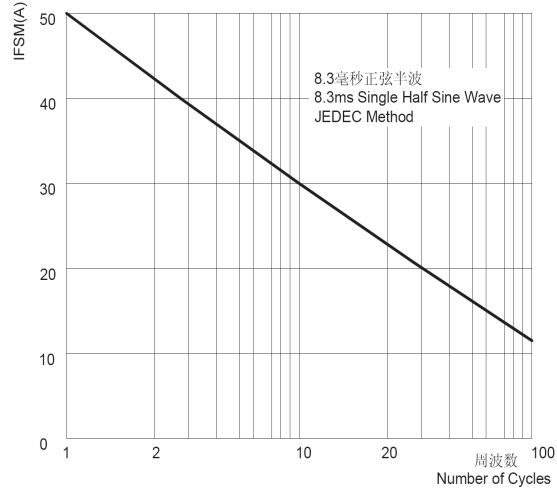


图3: 典型正向特性曲线  
FIG.3: TYPICAL FORWARD CHARACTERISTICS

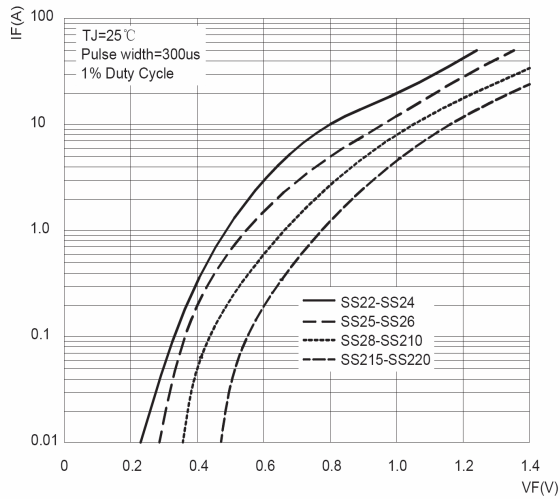
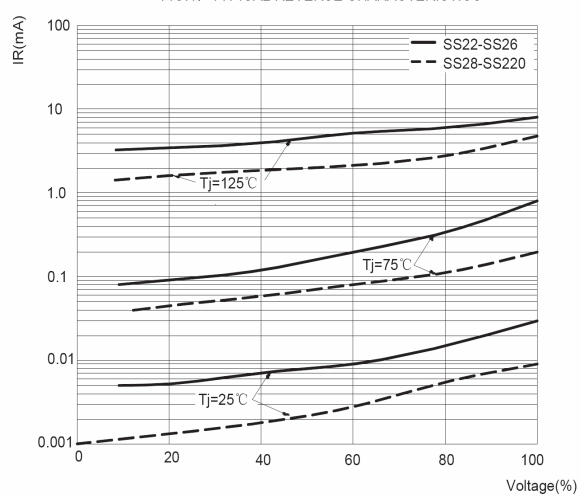
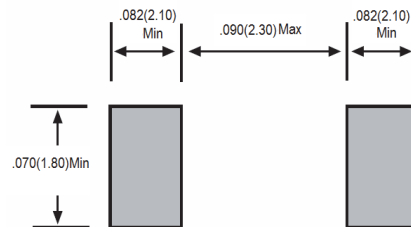


图4: 典型反向特性曲线  
FIG.4: TYPICAL REVERSE CHARACTERISTICS



## Mounting Pad Layout



## Packing

| Part number  | Component Package | Quantity | Packaging Option            |
|--------------|-------------------|----------|-----------------------------|
| SS22A-SS220A | DO-214AC SMA      | 5000     | Tape & Reel – 12mm/13" tape |

## Tape and Reel Specification

