

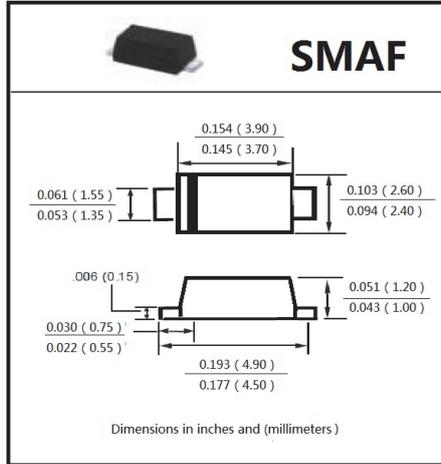


SHANGSI

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

SS22F thru SS220F

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°C/10 秒 High temperature soldering guaranteed: 260°C/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°C ambient temperature unless otherwise specified.

	Symbols	SS22F	SS23F	SS24F	SS25F	SS26F	SS28F	SS210F	SS215F	SS220F	Unit
最大峰值反向电压 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 Maximum RMS voltage	V_{RMS}	14	21	28	35	42	56	70	105	140	V
最大直流阻断电压 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 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 Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	50									A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	75									$^\circ\text{C/W}$
工作结温和存储温度 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°C ambient temperature unless otherwise specified.

	Symbols	SS22F	SS23F	SS24F	SS25F	SS26F	SS28F	SS210F	SS215F	SS220F	Unit
最大正向电压 $I_F = 2.0A$ Maximum forward voltage	V_F	0.5			0.7		0.85		0.90		V
最大反向漏电流 $T_A = 25^\circ\text{C}$ Maximum reverse current	I_R	0.5									mA
典型结电容 $V_R = 4.0V, f = 1\text{MHz}$ Type junction capacitance	C_J	45									pF

特性曲线 CHARACTERISTIC CURVES

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

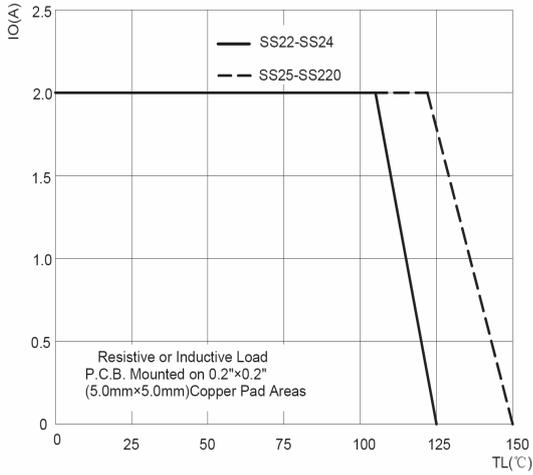


图2: 最大正向浪涌冲击耐受能力
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

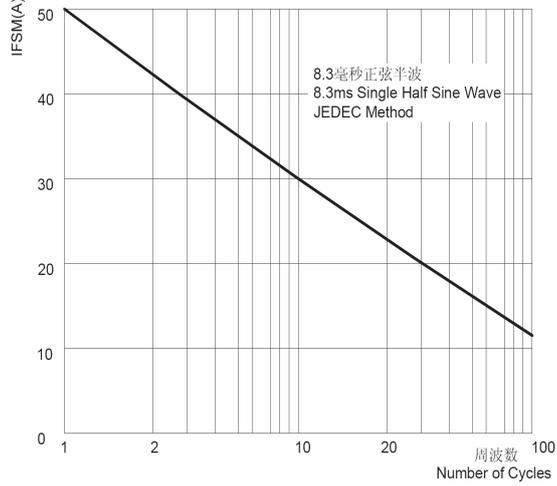


图3: 典型正向特性曲线
FIG.3: TYPICAL FORWARD CHARACTERISTICS

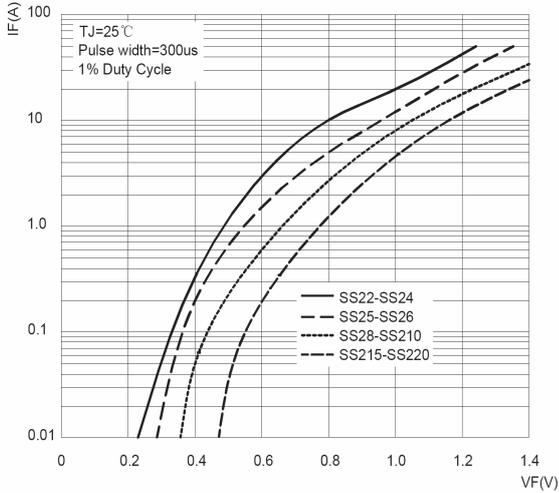
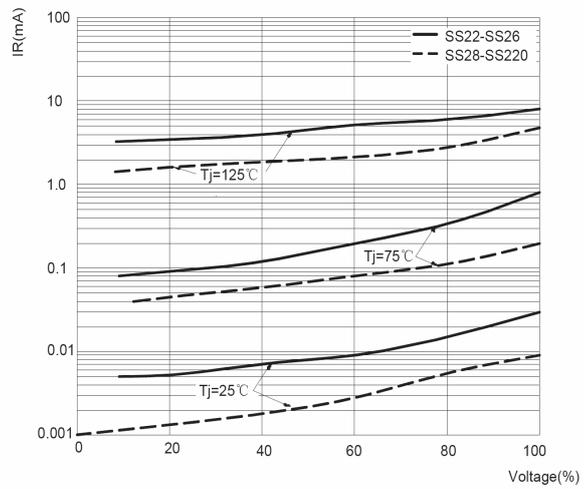


图4: 典型反向特性曲线
FIG.4: TYPICAL REVERSE CHARACTERISTICS

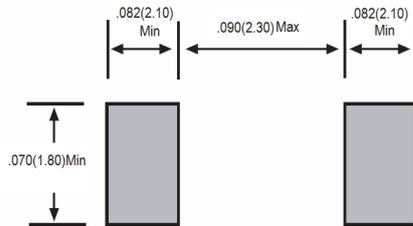




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SS22F-SS220F

Mounting Pad Layout



Packing

Part number	Component Package	Quantity	Packaging Option
SS22F-SS220F	DO-219AB SMAF	10000	Tape & Reel – 12mm/13" tape

Tape and Reel Specification

