

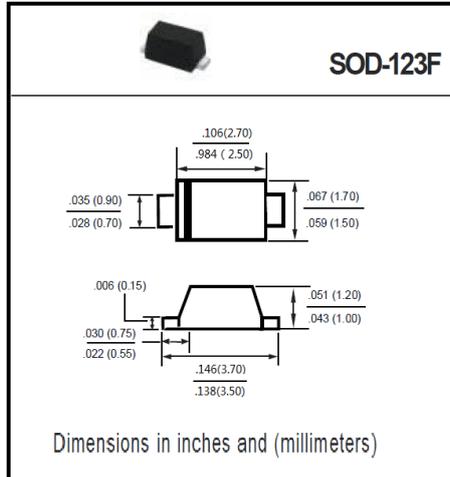


SHANGSI

SS22PL thru SS220PL

表面安装肖特基二极管
反向电压 50 --- 200 V
正向电流 2.0A

Surface Mount Schottky Barrier Rectifiers
Reverse Voltage 50 to 200 V
Forward Current 2.0A



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/10 seconds 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	SS22PL	SS24PL	SS26PL	SS28PL	SS210PL	SS2105PL	SS220PL	Unit
最大峰值反向电压 Maximum repetitive peak reverse voltage	V_{RRM}	20	40	60	80	100	150	200	V
最大反向有效值电压 Maximum RMS voltage	V_{RMS}	14	28	42	56	70	104	140	V
最大直流阻断电压 Maximum DC blocking voltage	V_{DC}	20	40	60	80	100	150	200	V
最大正向平均整流电流 Maximum average PLorward rectiPLied current	$I_{PL(AV)}$	2.0							A
正向峰值浪涌电流 8.3ms单一正弦半波 Peak PLorward surge current 8.3 ms single halPL sine-wave	I_{PLSM}	40							A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	60							$^\circ\text{C/W}$
工作结温和存储温度 Operating junction and storage temperature range	T_J, T_{STG}	-55---+125							$^\circ\text{C}$

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	SS22PL	SS24PL	SS26PL	SS28PL	SS210PL	SS2105PL	SS220PL	Unit
最大正向电压 $I_{PL} = 2.0A$ Maximum PLorward voltage	V_{PL}	0.50		0.70	0.85		0.95		V
最大反向漏电流 $T_A = 25^\circ\text{C}$ Maximum reverse current	I_R	0.50							mA
典型结电容 $V_R = 4.0V, PL = 1MHz$ Type junction capacitance	C_J	210							pPL



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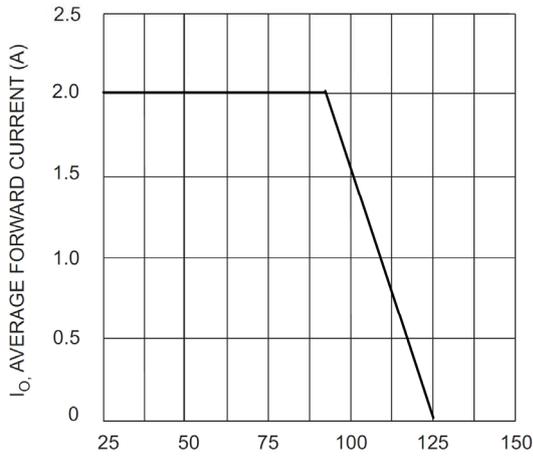


Fig. 1 Forward Current Derating Curve

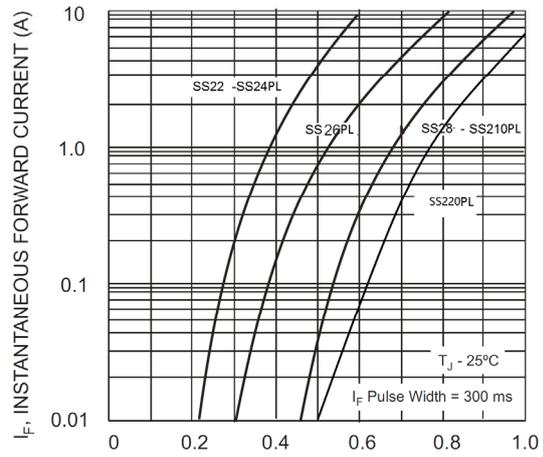


Fig. 2 Typical Forward Characteristics

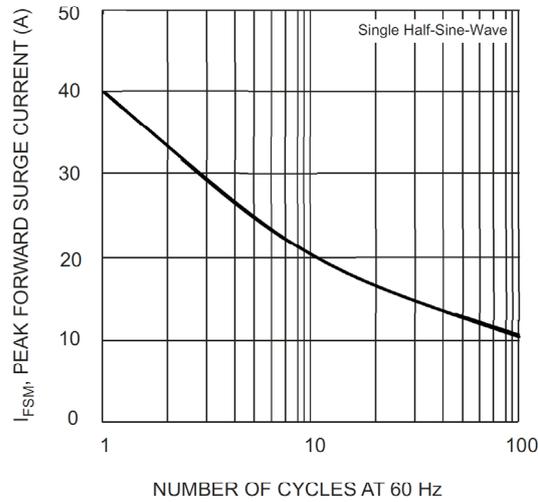
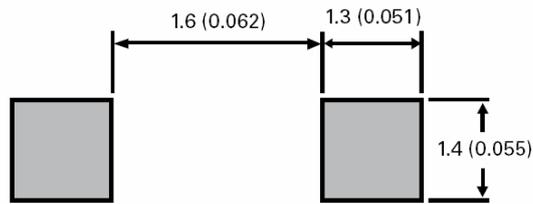


Fig. 3 Max Non-Repetitive Peak Forward Surge Current

Mounting Pad Layout



Packing

Part number	Component Package	Quantity	Packaging Option
SS22PL-SS220PL	SOD-123FL	3000	Tape & Reel – 8mm/7" tape
		10000	Tape & Reel – 8mm/13" tape

Tape and Reel Specification

