

特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ 用于表面贴装 For surface mountde application
- ◆ 低正向压降 Low forward voltage drop
- ◆ 大电流导通能力 High current capability
- ◆ 高可靠性 High reliability
- ◆ 耐焊接热: 250°C/10S, 引出端1.5mm处。

High temperature soldering guaranteed:250°C / 10S / 12.5mm lead length

- ◆ 封装: 模塑封装 Case: Molded plastic
- ◆ 塑封材料: 采用UL94V-0认可的阻燃环氧料
Epoxy: UL94V-0 rate flame retardant
- ◆ 极性: 色环表示阴极

Polarity: Color band denotes cathode end

- ◆ 安装位置: 任意 Mounting position: Any



SMA/DO-214AC

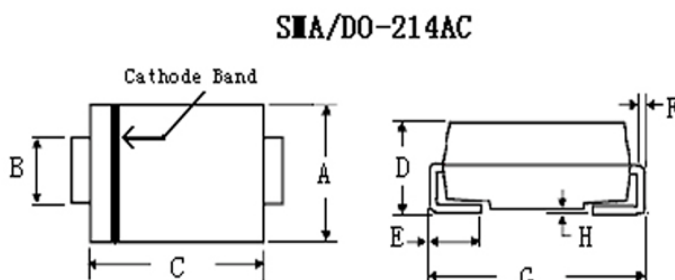
最大额定值及电气特性
MAXIMUM RATINGS AND CHARACTERISTICS

测量环境温度为25°C, 除非另有规定. 单相半波, 50HZ, 阻性或感性负载, 对于容性负载, 电流降额20%.
 Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 50HZ, resistive or inductive load. For capacitive load, derate current by 20%.

参数名称 Papt Number	符号Symbol	SS12	SS13	SS14	SS15	SS16	SS18	SS110	Unit
最大重复峰值反向电压Maximum Recurent Peak Reverse Voltage	VRRM	20	30	40	50	60	80	100	V
最大平均有效值电压 Maximum RMS Voltage	VRMS	14	21	28	35	42	56	70	V
最大直流截止电压Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	V
最大平均正向整流电流 Maximum Average Forward Rectified Current Ta=120°C	IF (AV)	1.0							A
峰值正向浪涌电流, 额定负载下, 单相正弦半波10毫秒(EDEC方法) Peak Forward Surge Current 10ms Single Half Sine-wave Superimposed On Rated Load(JEDEC method)	IFSM	25							A
最大瞬间正向电压Maximum Instantaneous Forward Voltage@1.0A	VF	0.55			0.75		0.85		V
最大反向直流电流 Maximum DC Reverse Current Ta=25°C	IR	0.5							mA
at Rated DC Blocking Voltage (VR=VDC) Ta=100°C		6			5				mA
使用温度范围Operating Temperature Range	TJ	-65~+125			-65~+150				°C
储存温度范围Storage Temperature Range	TSTG	-65~+150							°C

Note: 1. 在1MHz下测量, 施加4.0V D.C的反向电压. 1. The measurement under the 1 MHz, applying a reverse voltage of 4.0 V, dc.

2. 热阻是指从结至安装铜垫片端点的热阻, 铜垫片面积5×5mm. The thermal resistance refers to the thermal resistance from the junction to install copper gaskets endpoint, 5 x 5 mm copper gasket area.

产品外形尺寸:
Product appearance size


DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.096	0.108	2.45	2.75
B	0.049	0.061	1.25	1.55
C	0.171	0.183	4.35	4.65
D	0.075	0.091	1.90	2.30
E	0.031	0.055	0.80	1.40
F	0.005	0.011	0.13	0.27
G	0.191	0.203	4.85	5.15
H		0.008		0.203

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

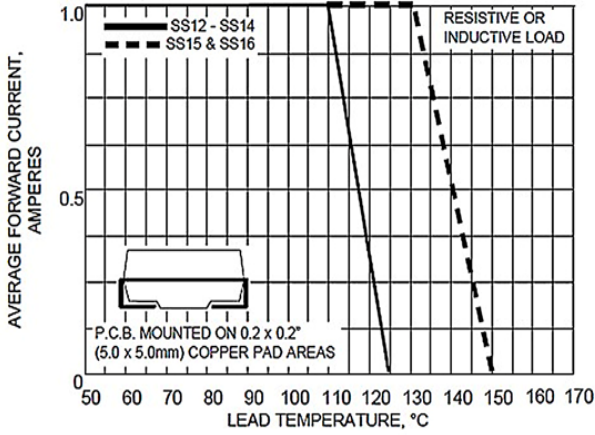


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

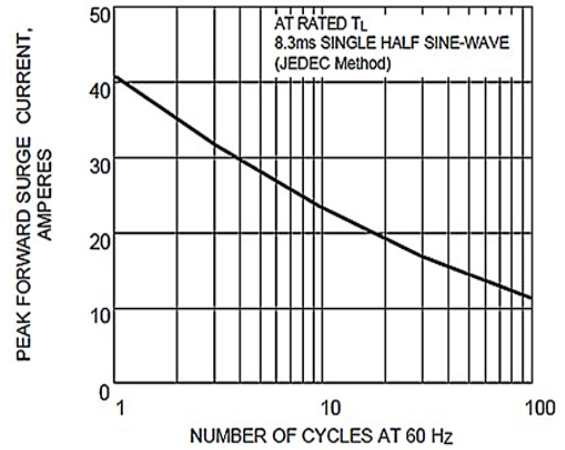


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

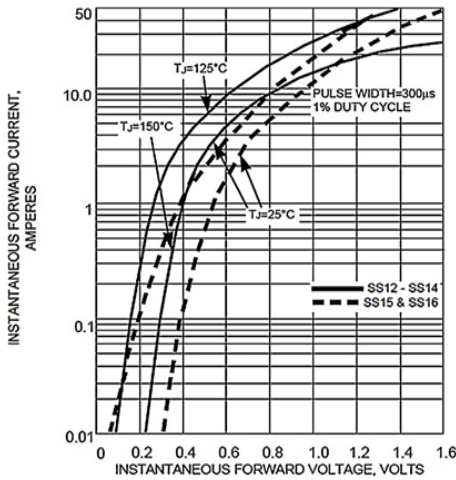


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

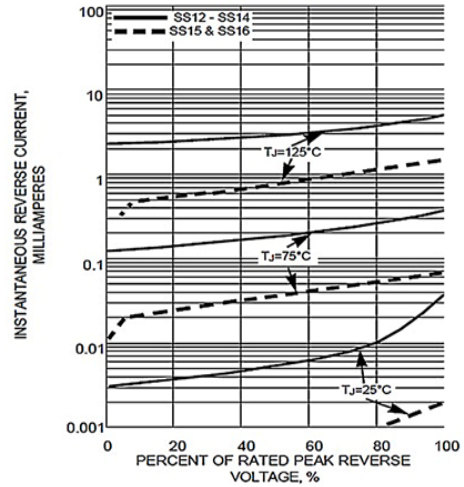


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

