

特征 FEATURES

- .理想表面粘贴安装. Ideal for surface mounted applications
- .易拿易放.Easy pick and place
- .低漏电. Low leakage current
- .快速转换.Fast switching
- .高温焊接保障:250℃/10S.375", (9.5mm)引线长度.

High temperature soldering guaranteed:

250℃/10 seconds/.375", (9.5mm) lead lengths

机械数据 MECHANICAL DATA

.封装:模塑 DO-213AB 封装.Case: Molded plastic DO-213AB

.封装材料:用 UL94V-0 认可的阻燃环氧材料料.

Epoxy: UL94V-0 rate flame retardant

.端子:镀锡端子可焊接性符合 MIL-STD-202,方法 208.

Terminals: Plated terminals, solderable per

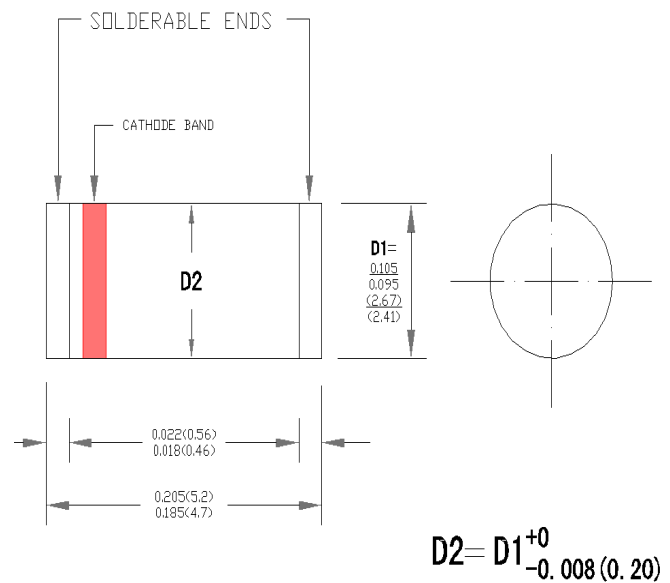
MIL-STD-202, method 208

.极性:色环表阴极.Polarity: Color band denotes cathode end

.安装:位置任意. Mounting position: Any

.重量:0.12 克 . Weight: 0.12gram

DO-213AB



Dimension inches (millimeters)

极限值和电参数 TA= 25℃除非另有规定. 单相,正半弦波,60HZ,阻抗或电感负载.为电容装载,减少电流的 20%

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified. Single phase, half sine wave, 60HZ, resistive or inductive load.

For capacitive load, derate current by 20%

	SYMBOL	SM5391	SM5392	SM5393	SM5394	SM5395	SM5396	SM5397	SM5398	SM5399	UNITS
最大峰值反向电压 Maximum current Peak Reverse Voltage	VRRM	50	100	200	300	400	500	600	800	1000	Volts
最大反向有效电压 Maximum RMS Voltage	VRMS	35	70	140	210	280	350	420	560	700	Volts
最大直流阻断电压 Maximum DC Blocking Voltage	VDC	50	100	200	300	400	500	600	800	1000	Volts
最大正向平均整流电流 T _T =75℃ Maximum Average Forward Rectified Current	I(AV)	1.5									Amps
正向峰值浪涌电流 Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	50									Amps
1.5A 直流电时最大正向瞬间电压降 Maximum Instantaneous Forward Voltage @ 1.5A	V _F	1.1									Volts
最大反向漏电流 Maximum DC Reverse Current @ T _A =25℃ at Rated DC Blocking Voltage @ T _A =125℃	I _R	5.0 100.0									uA
典型热阻 Typical Thermal Resistance R _{θJA} (Note1)	R _{θJA}	60.0									℃/W
典型结电容 Typical Junction Capacitance (Note 2)	C _J	15									pF
工作温度存储温度 Operating AND Storage Temperature Range	T _J /T _{STG}	-55 to +150									℃

Notes: 1. Thermal Resistance from Junction to Ambient .375" (9.5mm) Lead Length

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C.

SURFACE MOUNT GLASS PASSIVATED SUPER FAST SILICON RECTIFIERS

FIG. 1 – 逆向恢复特性曲线

FIG. 1 – REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

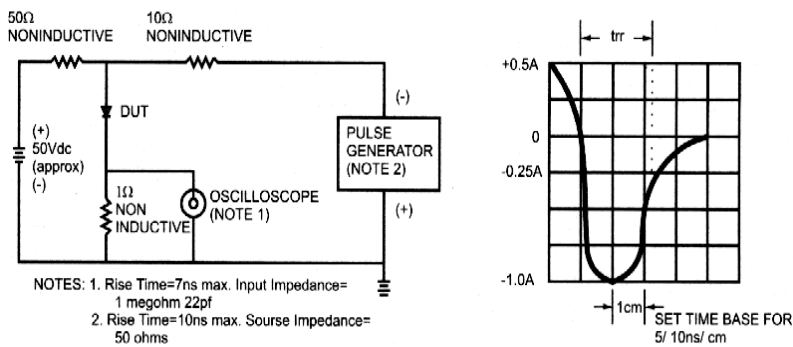


FIG. 2 – 正向电流降额曲线(典型)

FIG. 2 – TYPICAL FORWARD CURRENT DERATING CURVE

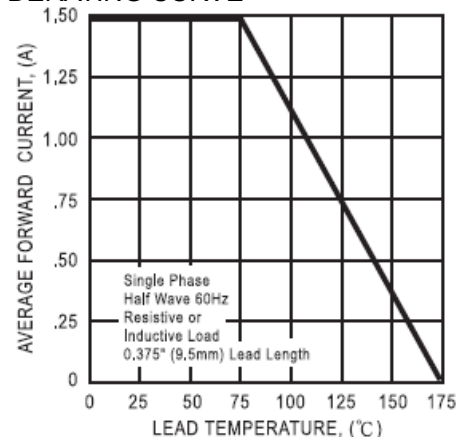


FIG. 3 – 典型反向特性

FIG. 3 – TYPICAL REVERSE CHARACTERISTIC

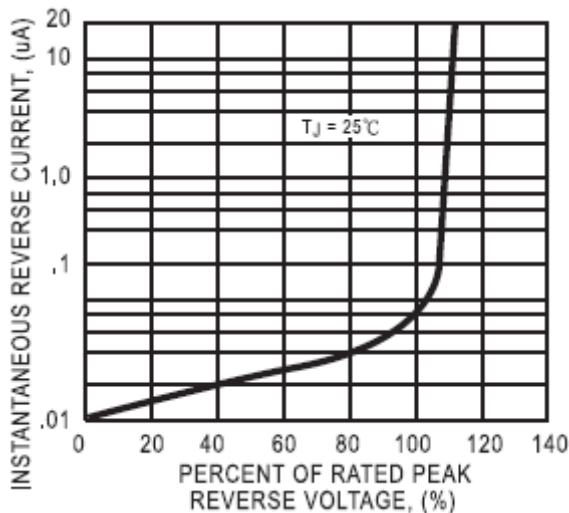


FIG. 4 – 典型正向特性

FIG. 4 – TYPICAL FORWARD CHARACTERISTICS

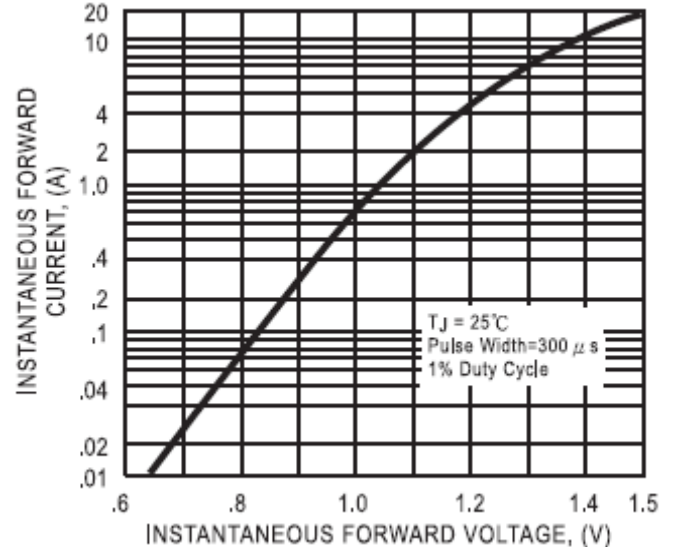


FIG. 5 – 最大非重复正向浪涌电流

FIG. 5 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

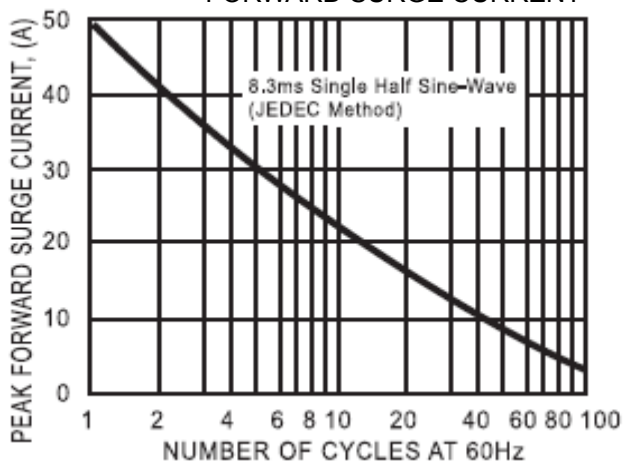


FIG. 6 – 典型结电容

FIG. 6 – TYPICAL JUNCTION CAPACITANCE

