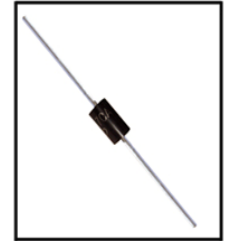


特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ 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
- ◆ 大电流浪涌能力 High surge current capability
- ◆ 高可靠性 High reliability
- ◆ 耐焊接热: 250℃/10S, 引出端0.375" (9.5mm) 处。



D0-27

High temperature soldering guaranteed:250℃ / 10S / 9.5mm 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

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

测量环境温度为25℃, 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℃ 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	1N5820	1N5821	1N5822	Unit
最大重复峰值反向电压Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	V
最大平均有效值电压 Maximum RMS Voltage	VRMS	14	21	28	V
最大直流截止电压Maximum DC Blocking Voltage	VDC	20	30	40	V
最大平均正向整流电流 Maximum Average Forward Rectified Current Ta=95℃	IF (AV)	3.0			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	80			A
最大瞬间正向电压Maximum Instantaneous Forward Voltage @3.0A	VF	0.475	0.500	0.525	V
最大瞬间正向电压Maximum Instantaneous Forward Voltage @9.0A	VF	0.850	0.900	0.950	V
最大反向直流电流 Maximum DC Reverse Current Ta = 25℃	IR	2.0			mA
at Rated DC Blocking Voltage (VR=VDC) Ta = 100℃		20.0			mA
典型结电容 Typical Junction Capacitance (Note 1)	CJ	200			PF
典型热阻 Typical Thermal Resistance (Note 2)	Rθ(JA)	40			℃/W
使用及储存温度范围Operating and Storage Temperature Range	TJ,TSTG	-65~+125			℃

注释: Note:

1. 在1MHz下测量, 施加4.0V D.C的反向电压.

The measurement under the 1 MHZ, applying a reverse voltage of 4.0 V, dc.

2. 热阻是指从结至周围环境的热阻, 在0.375" (9.5mm) 引线长度处.

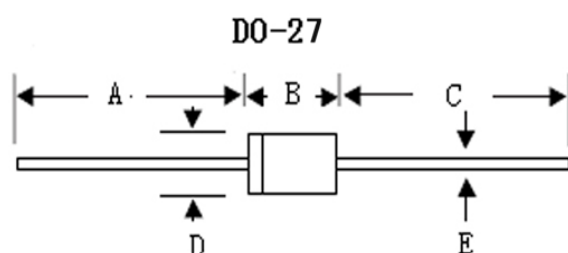
The thermal resistance refers to the thermal resistance from the junction to ambient, in 0.375"(9.5 mm) lead length.

1N5820~1N5822

Schottky Barrier Rectifier 肖特基势垒二极管 SKY

产品外形尺寸:

Product appearance size



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.0		25.4	
B	0.335	0.375	8.5	9.5
C	1.0		25.4	
D	0.197	0.220	5.0	5.6
E	0.0480	0.0520	1.1	1.3

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

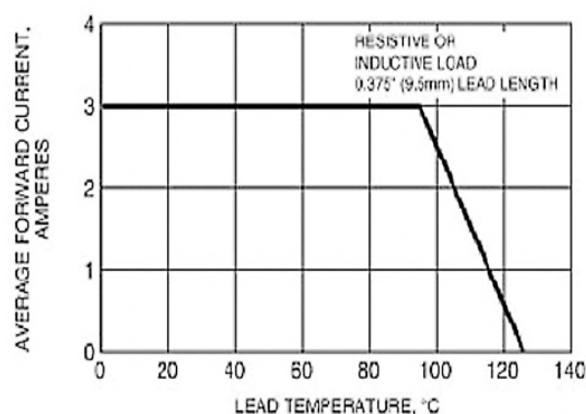


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

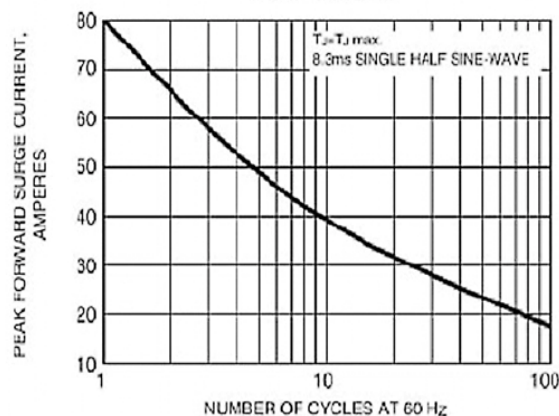


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

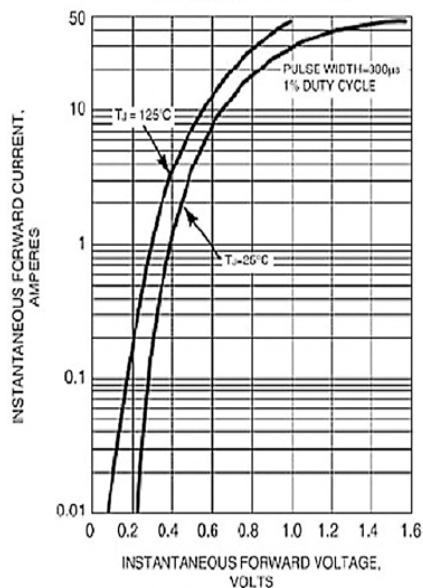


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

