

**特性/机械性能:**
**FEATURES/MECHANICAL DATE**

- ◆ 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
- ◆ 大电流浪涌能力 High surge current capability
- ◆ 耐焊接热: 250°C/10S, 引出端0.375" (9.5mm) 处。  
High temperature soldering guaranteed: 250°C / 10S / 9.5mm lead length
- ◆ 封装: 模塑封装 Case: Molded plastic
- ◆ 塑封材料: 采用UL94V-0认可的阻燃环氧树脂 Epoxy: UL94V-0 rate flame retardant
- ◆ 引线: 电镀轴式引线可焊性符合MIL-STD-202E, 方法208  
Lead: Axial lead solderable per MIL-STD-202, method 208 guaranteed
- ◆ 极性: 色环表示阴极 Polarity: Color band denotes cathode end
- ◆ 安装位置: 任意 Mounting position: Any



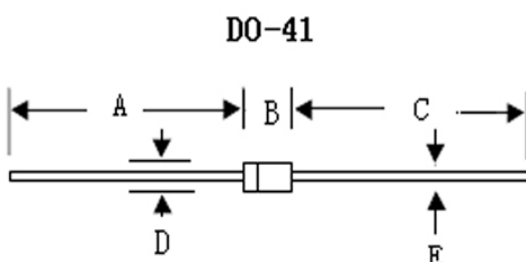
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**最大额定值及电气特性**
**MAXIMUM RATINGS AND CHARACTERISTICS**

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 Part Number	符号 Symbol	SR220	SR230	SR240	SR250	SR260	SR280	SR2100	Unit
最大重复峰值反向电压 Maximum Recurrent 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 0.375" (9.5mm) Lead Length at Ta=75°C	IF (AV)	2.0							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	60							A
最大瞬间正向电压 Maximum Instantaneous Forward Voltage @20A	VF	0.55		0.70		0.85		V	
最大反向直流电流 Maximum DC Reverse Current at Rated DC Blocking Voltage (VR=VDC) Ta=25°C	IR	0.5							mA
使用及储存温度范围 Operating and Storage Temperature Range	TJ, TSTG	-50~+125/-65~+150							°C

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, D.C.  
 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.

**产品外形尺寸:**
**Product appearance size**


DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.0		25.4	
B	0.161	0.205	4.1	5.2
C	1.0		25.4	
D	0.080	0.107	2.0	2.7
E	0.028	0.034	0.71	0.86

特性曲线图:

RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - TYPICAL FORWARD CURRENT DERATING CURVE

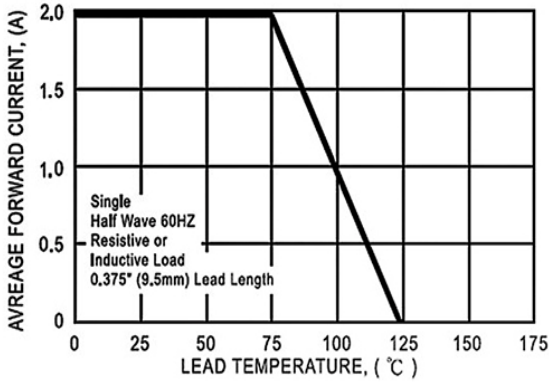


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

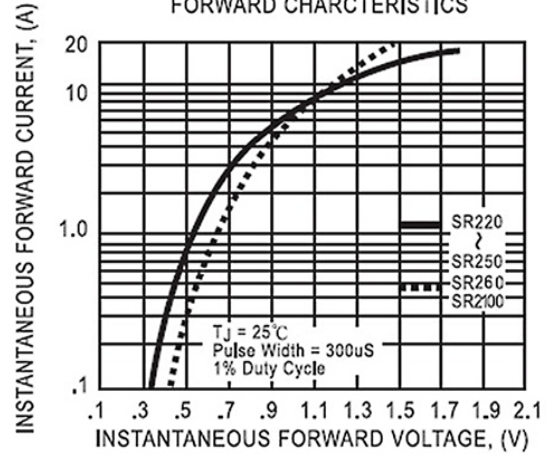


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

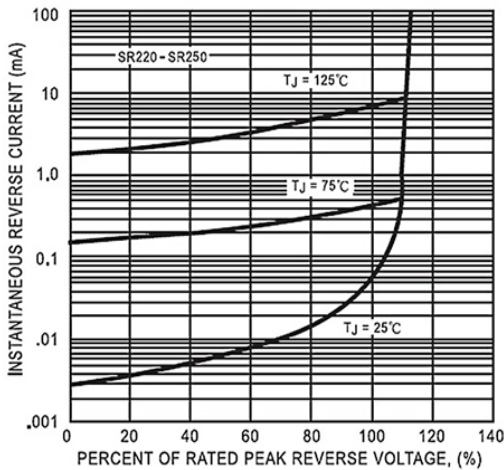


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

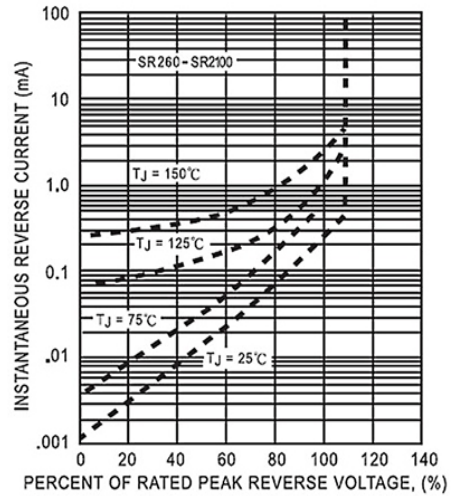


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

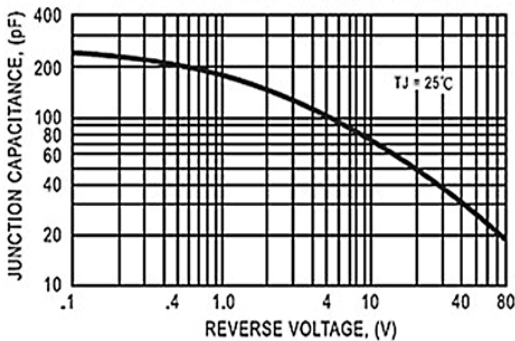


FIG. 5 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

