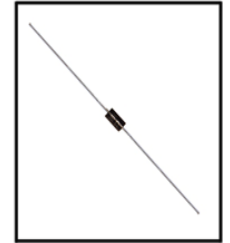


特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ 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



DO-41

- ◆ 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
- ◆ 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

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%.

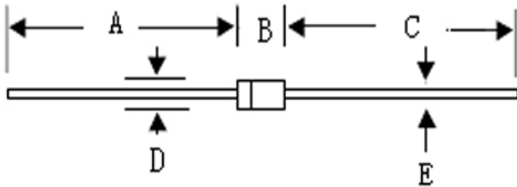
参数名称 Part Number	符号 Symbol	SR120	SR130	SR140	SR150	SR160	Unit
最大重复峰值反向电压 Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	V
最大平均有效值电压 Maximum RMS Voltage	VRMS	14	21	28	35	42	V
最大直流截止电压 Maximum DC Blocking Voltage	VDC	20	30	40	50	60	V
最大平均正向整流电流 Maximum Average Forward Rectified Current 0.375" (9.5mm) Lead Length at Ta=55°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	40					A
最大瞬间正向电压 Maximum Instantaneous Forward Voltage @1.0A	VF	0.5			0.7		V
最大反向直流电流 Maximum DC Reverse Current Ta = 25°C at Rated DC Blocking Voltage (VR=VDC)	IR	0.5					μA
典型结电容 Typical Junction Capacitance (Note 1)	CJ	110			80		PF
典型热阻 Typical Thermal Resistance (Note 2)	Rθ(JA)	50					°C/W
使用及储存温度范围 Operating and Storage Temperature Range	TJ, TSTG	-65 ~ +150					°C

注 释 Note:

1. 在1MHz下测量, 施加4.0V D.C的反向电压.
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.
1. The measurement under the 1 MHz, applying a reverse voltage of 4.0 V, D.C.
2. 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

DO-41



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

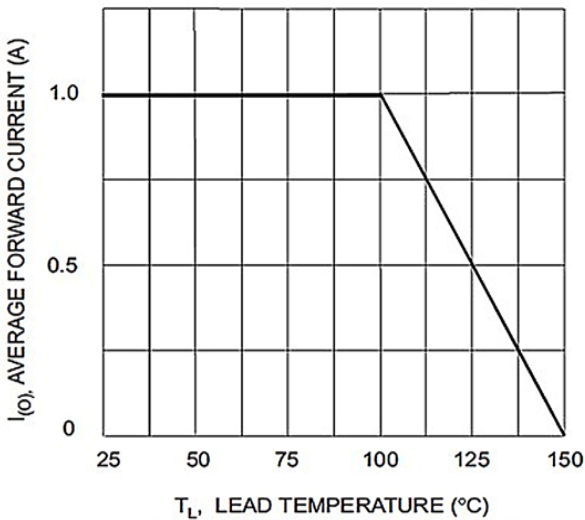
特性曲线图:
RATINGS AND CHARACTERISTIC CURVES


Fig. 1 Forward Current Derating Curve

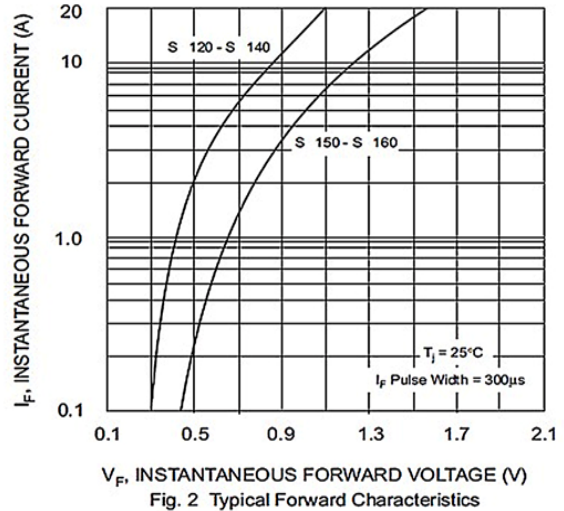


Fig. 2 Typical Forward Characteristics

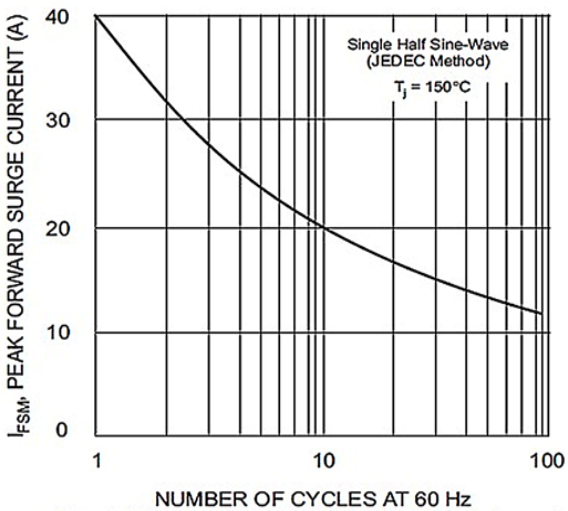


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

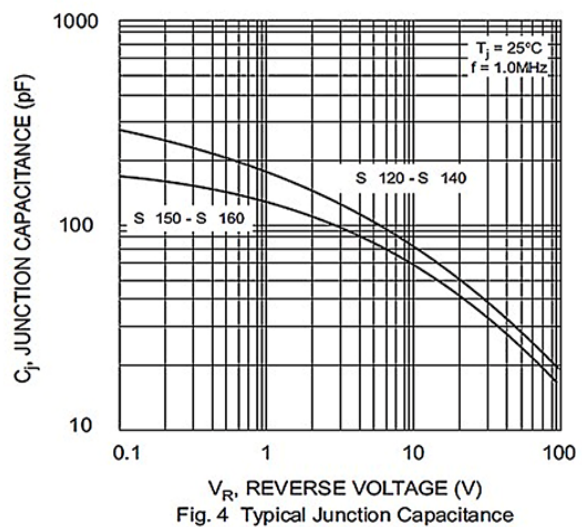


Fig. 4 Typical Junction Capacitance