

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
- ◆ 低漏电 Low leakage
- ◆ 耐焊接热: 250℃/10S, 引出端0.375" (9.5mm) 处。

Welding heat resistant: 250 °C / 10 s, terminal 0.375 "(9.5 mm).

- ◆ 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, methode 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



D0-15

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%.

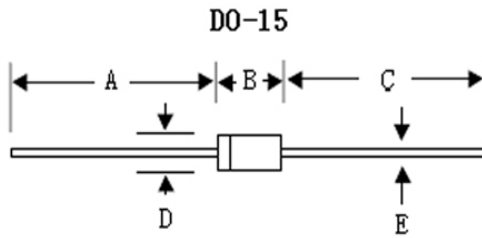
参数名称 Papt Number	符号Symbol	R1200	R1500	R1800	R2000	R3000	R4000	R5000	Unit
最大重复峰值反向电压 Maximum Recurrent Peak Reverse Voltage	VRRM	1200	1500	1800	2000	3000	4000	5000	V
最大平均有效值电压 Maximum RMS Voltage	VRMS	840	1050	1260	1400	2100	2800	3500	V
最大直流截止电压 Maximum DC Blocking Voltage	VDC	1200	1500	1800	2000	3000	4000	5000	V
最大平均正向整流电流Ta=25℃, 引线长度为0.375" (9.5mm) 处 Maximum Average Forward Rectified Current.375" (9.5mm)Lead Length at Ta=25℃	IF (AV)	0.5				0.3	0.2		A
峰值正向浪涌电流,额定负载下, 单相正弦半波10毫秒 (JEDEC 方法) Peak Forward Surge Current, 10ms Single Half Sine-wave Superimposed On Rated Load(JEDEC method)	IFSM	25					20		A
最大瞬间正向电压@0.5A Maximum Instantaneous Forward Voltage at 0.5A	VF	2			3	4	5		V
最大反向直流电流 Maximum DC Reverse Current Ta = 25℃	IR	5.0							μA
at Rated DC Blocking Voltage Ta = 100℃		100							μA
典型结电容 Typical Junction Capacitance (Note 1)	CJ	30							PF
使用及储存温度范围 Operating and Storage Temperature Range	TJ,TSTG	-65~+175							℃

注释: Note:

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

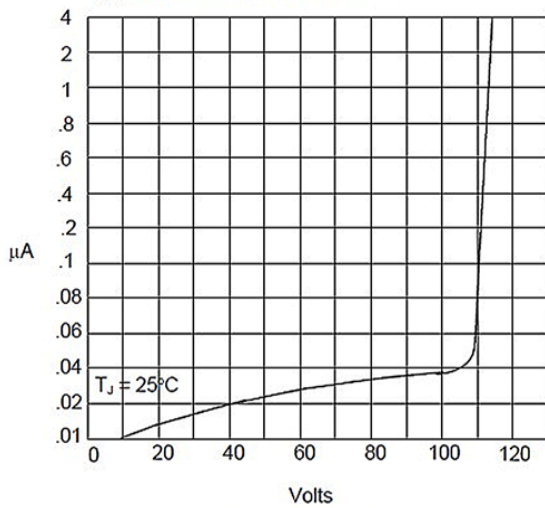


DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.0		25.4	
B	0.230	0.300	5.8	7.6
C	1.0		25.4	
D	0.104	0.140	2.60	3.60
E	0.028	0.034	0.71	0.86

特性曲线图:

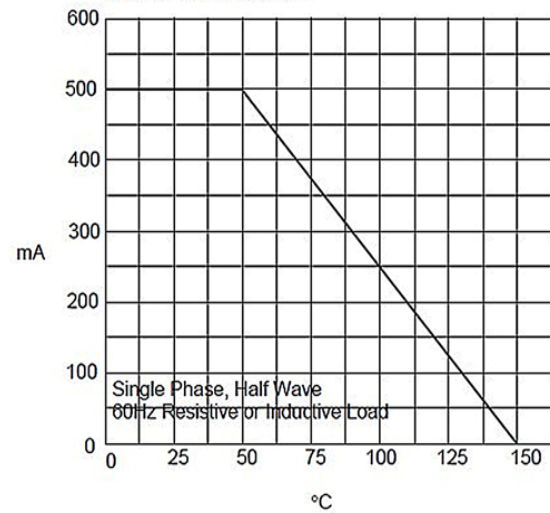
RATINGS AND CHARACTERISTIC CURVES

Figure 1
Typical Reverse Characteristics



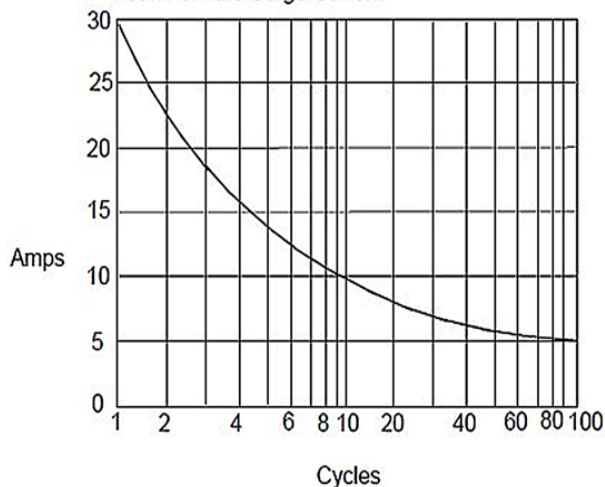
Instantaneous Reverse Current - Micro Amps/versus
Percent Of Rated Peak Reverse Voltage - Volts

Figure 2
Forward Derating Curve



Average Forward Rectified Current - Amperes/versus
Ambient Temperature - °C

Figure 3
Peak Forward Surge Current



Peak Forward Surge Current - Amperes/versus
Number Of Cycles At 60Hz - Cycles