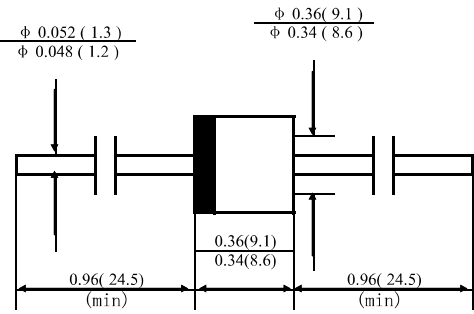


外形尺寸和印记 Outline Dimensions and Mark

R-6



特征 Features

- I_o 10A
- VRRM 50V-1000V
- 耐正向浪涌电流能力高
- High surge current capability

用途 Applications

- 整流用 Rectifier

极限值（绝对最大额定值） Limiting Values (Absolute Maximum Rating)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	10A						
				05	1	2	4	6	8	10
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
正向平均电流 Average Forward Current	$I_{F(AV)}$	A	正弦半波 60Hz, 电阻负载, $T_a=50^{\circ}C$ 60Hz Half-sine wave, Resistance load, $T_a=50^{\circ}C$	10						
正向（不重复）浪涌电流 Surge(Non-repetitive)Forward Current	I_{FSM}	A	正弦半波 60Hz, 一个周期, $T_a=25^{\circ}C$ 60Hz Half-sine wave, 1 cycle, $T_a=25^{\circ}C$	600						
结温 Junction Temperature	T_J	$^{\circ}C$		-55~+125						
储存温度 Storage Temperature	T_{STG}	$^{\circ}C$		-55 ~ +150						

电特性（ $T_a=25^{\circ}C$ 除非另有规定） Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition		最大值 Max
正向峰值电压 Peak Forward Voltage	V_{FM}	V	$I_{FM}=10A$		1.1
反向峰值电流 Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$	5
	I_{RRM2}			$T_a=100^{\circ}C$	50
热阻(典型) Thermal Resistance(Typical)	$R_{\theta J-A}$	$^{\circ}C/W$	结和环境之间 Between junction and ambient		10
	$R_{\theta J-L}$		结和引线之间 Between junction and lead		2.5

■特性曲线（典型）

图1: 正向电流降额曲线
FIG.1: FORWARD CURRENT DERATING CURVE

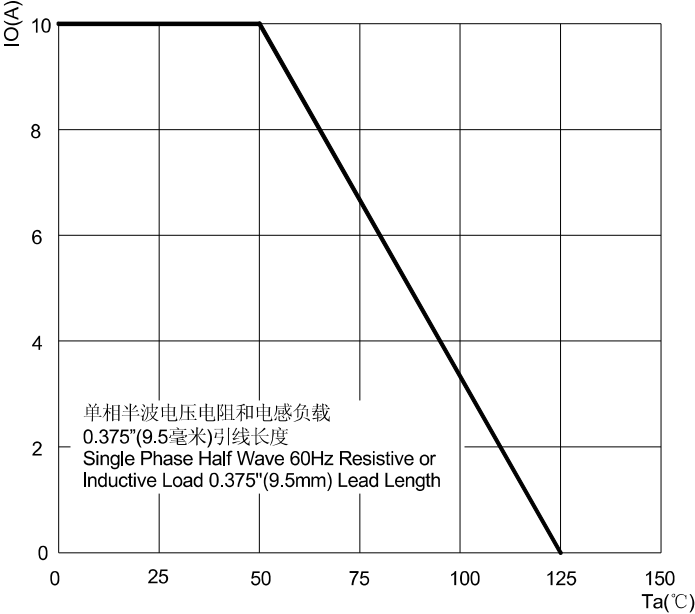


图2: 最大正向浪涌冲击耐受力
FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

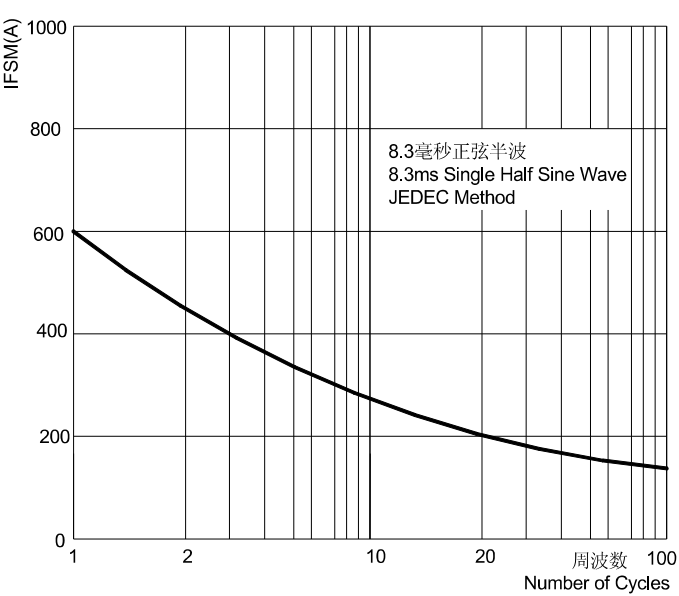


图3: 典型正向特性曲线
FIG.3: TYPICAL FORWARD CHARACTERISTICS

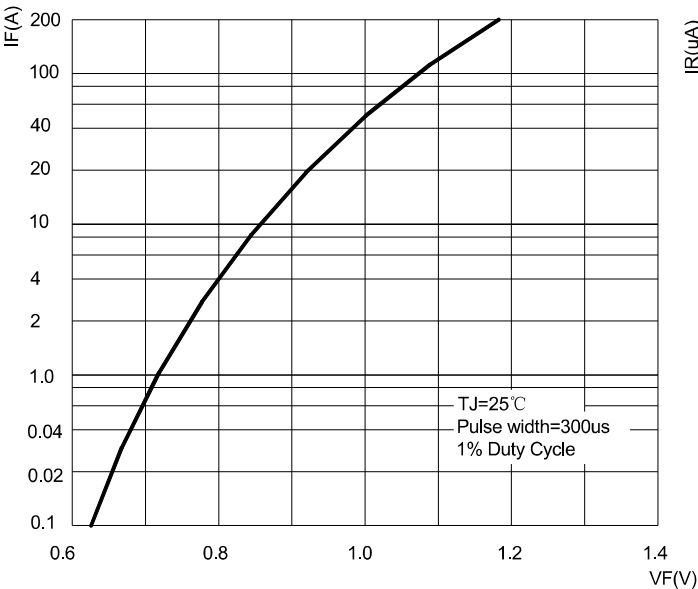


图4: 典型反向特性曲线
FIG.4: TYPICAL REVERSE CHARACTERISTICS

