

■特征 Features

- I_o 1.0A
- V_{RRM} 20V-100V
- 耐正向浪涌电流能力高
High surge current capability
- 封装: 模压塑料
Cases: Molded plastic

■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	测试条件 Test Conditions	K 12	K 13	K 14	K 15	K 16	K 19	K 110		
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40	50	60	90	100		
正向平均电流 Average Forward Current	$I_{F(AV)}$	A	正弦半波 60Hz, 电阻负载, $T_a=50^\circ\text{C}$ 60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	1.0								
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, $T_a=25^\circ\text{C}$ 60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	30								
结温 Junction Temperature	T_J	$^\circ\text{C}$		-55~+125								
储存温度 Storage Temperature	T_{STG}	$^\circ\text{C}$		-55 ~ +150								

■电特性 (Ta=25°C 除非另有规定)
Electrical Characteristics (Ta=25°C Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	K 12	K 13	K 14	K 15	K 16	K 19	K 110
正向峰值电压 Peak Forward Voltage	V_F	V	$I_F=1.0A$	0.60			0.70		0.85	
反向漏电流 Peak Reverse Current	I_{R1}	mA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$						
	I_{R2}			10			5.0		2.0	
热阻(典型) Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C}/\text{W}$	结和环境之间 Between junction and ambient	88 ¹⁾						
	$R_{\theta J-L}$		结和终端之间 Between junction and terminal	28 ¹⁾						

备注: Notes:

¹⁾ 热阻从结到环境及从结到引线, 在电路板的0.2" x 0.2" (5.0毫米 x 5.0毫米)铜垫片区
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

■ 特性曲线 (典型)

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

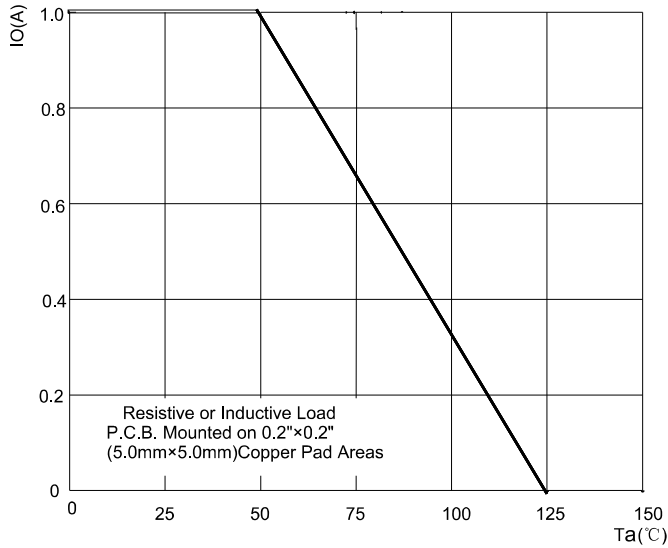


图2: 最大正向浪涌冲击耐受力
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

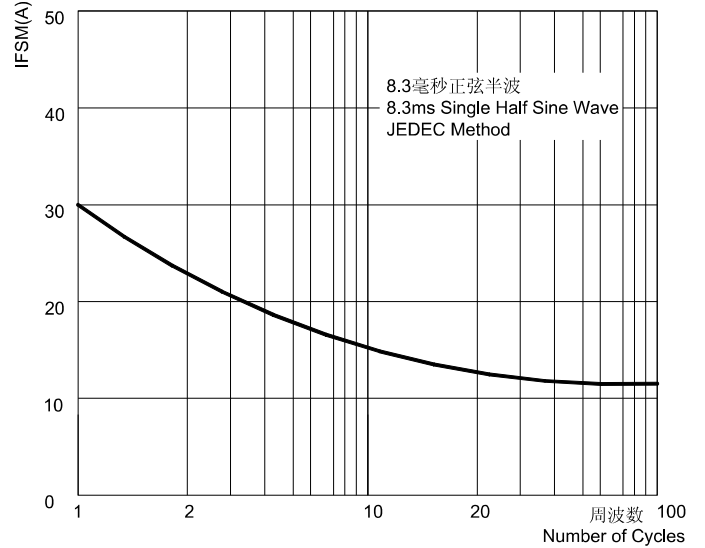


图3: 典型正向特性曲线
FIG.3: TYPICAL FORWARD CHARACTERISTICS

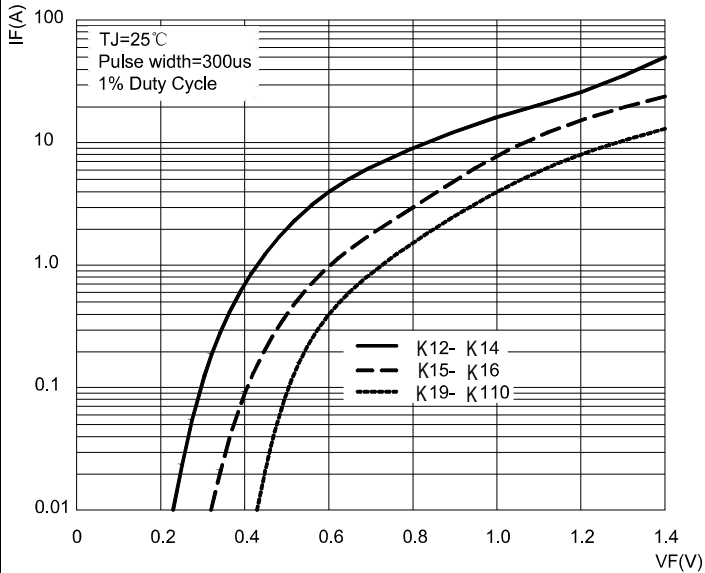


图4: 典型反向特性曲线
FIG.4: TYPICAL REVERSE CHARACTERISTICS

