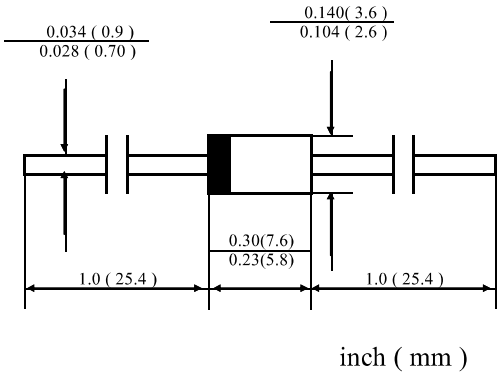


外形尺寸和印记 Outline Dimensions and Mark

DO-15



特征 Features

- I_o 2.0A
- VRRM 50V-600V
- 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	SF							
				21G	22G	23G	24G	25G	26G	27G	28G
反向重复峰值电压 Repetitive Peak Reverse Voltage	VRRM	V		50	100	150	200	300	400	500	600
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, $T_a=50^{\circ}C$)	2.0							
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, $T_a=25^{\circ}C$) (60HZ Half-sine wave, 1 cycle, $T_a=25^{\circ}C$)	50							
结温 Junction Temperature	T_j	$^{\circ}C$		-55~+150							
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		SF							
					21G	22G	23G	24G	25G	26G	27G	28G
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =2.0A		0.95			1.3		1.7		
反向峰值电流 Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	T _a =25℃	5							
	I _{RRM2}			T _a =125℃	50							
反向恢复时间 Reverse Recovery time	t _{rr}	ns	I _F =0.5A I _R =1A I _{RR} =0.25A		35							
热阻(典型) Thermal Resistance(Typical)	R _{θJ-A}	℃/W	结和环境之间 Between junction and ambient		55							
	R _{θJ-L}		结和引线之间 Between junction and lead		20							

■特性曲线（典型）

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

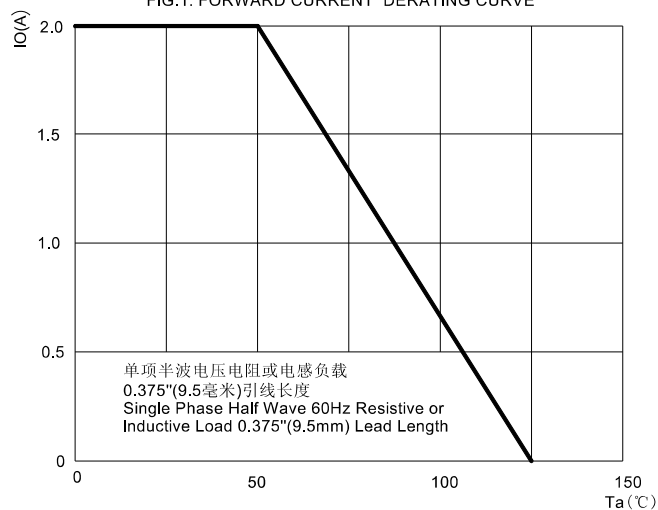


图2: 最大正向浪涌冲击耐受力
FIG.2 : MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

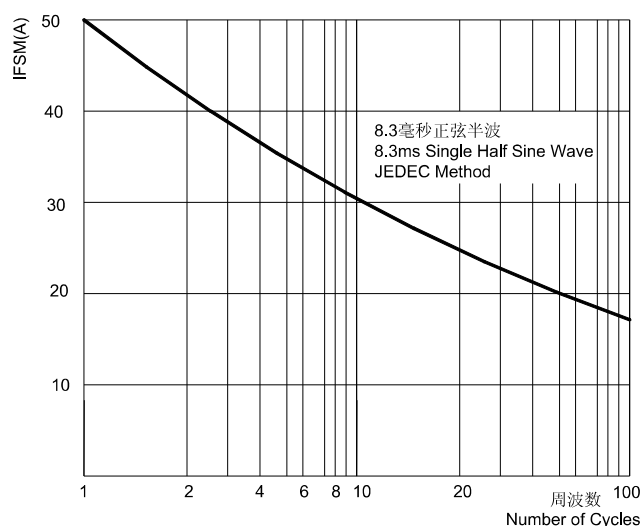


图3: 典型正向特性曲线
FIG.3: TYPICAL FORWARD CHARACTERISTICS

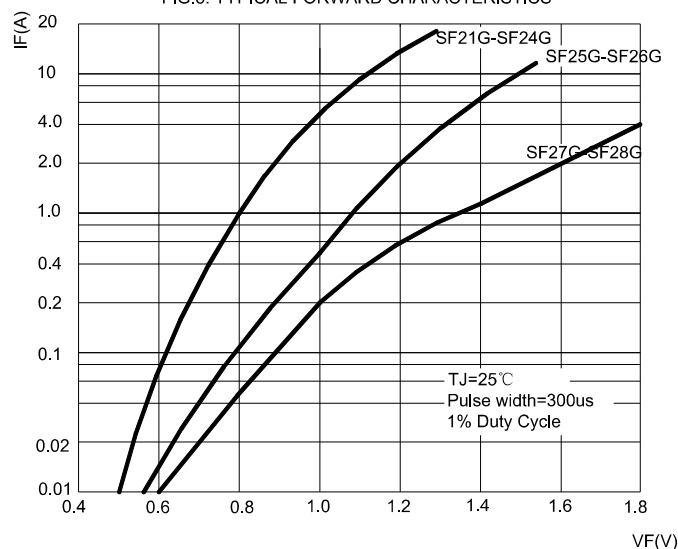


图4: 典型反向特性曲线
FIG.4: TYPICAL REVERSE CHARACTERISTICS

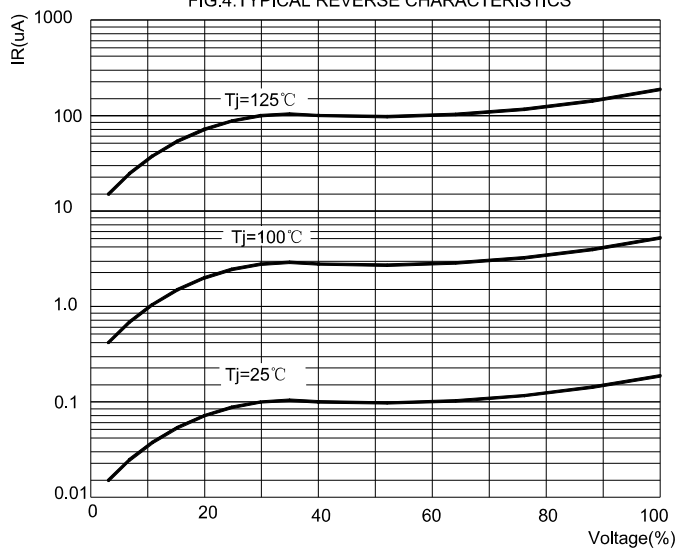


图5: 反向恢复时间试验电路及测试波形示意图
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time

