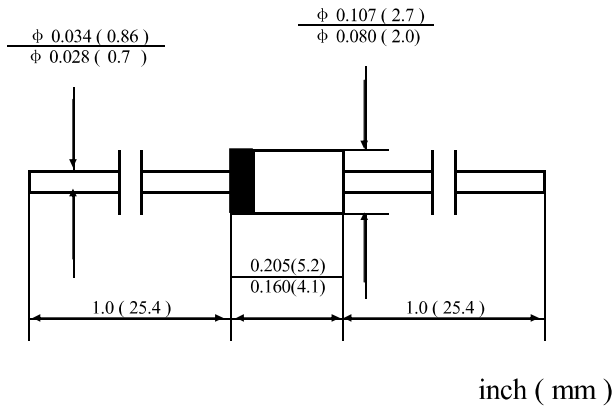


■外形尺寸和印记 Outline Dimensions and Mark

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■特征 Features

- I_o 1.0A
- 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	UF400						
				1	2	3	4	5	6	7
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, Ta=50°C 60Hz Half-sine wave, Resistance load, Ta=50°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, Ta=25°C 60Hz Half-sine wave, 1 cycle, Ta=25°C	30						
结温 Junction Temperature	T _J	°C		-55~+125						
储存温度 Storage Temperature	T _{STG}	°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	UF400						
				1	2	3	4	5	6	7
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =1.0A	1.0			1.7			
反向峰值电流 Peak Reverse Current	I _{RRM1}	μA	V _{RM} =V _{RRM}	Ta=25°C						
	I _{RRM2}			Ta=100°C						
反向恢复时间 Reverse Recovery time	t _r	ns	I _F =0.5A I _R =1A I _{RR} =0.25A	50				75		
热阻(典型) Thermal Resistance(Typical)	R _{θJA}	°C/W	结和环境之间 Between junction and ambient	55						
	R _{θJL}		结和引线之间 Between junction and lead	25						

■ 特性曲线 (典型)

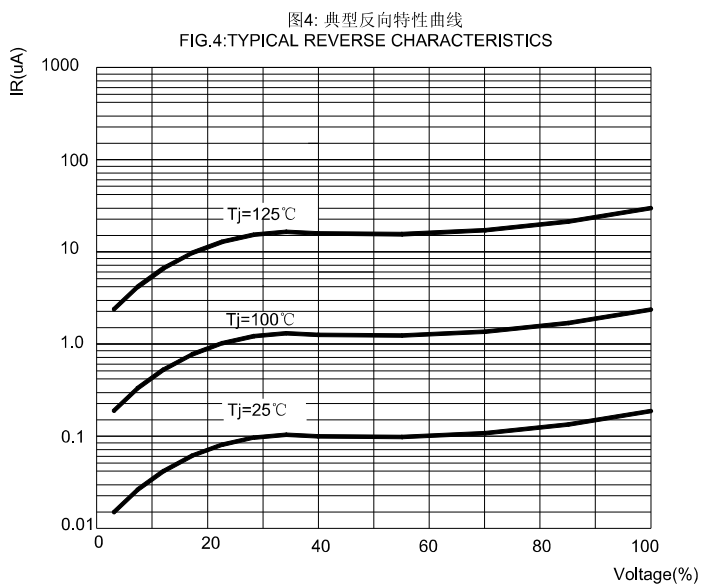
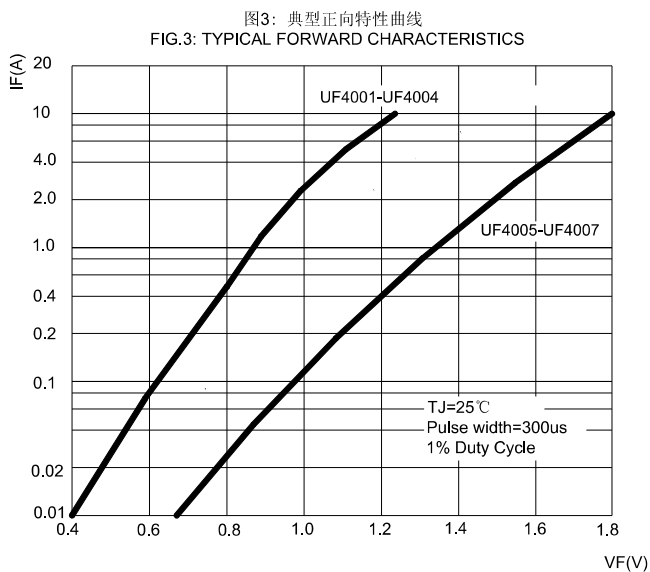
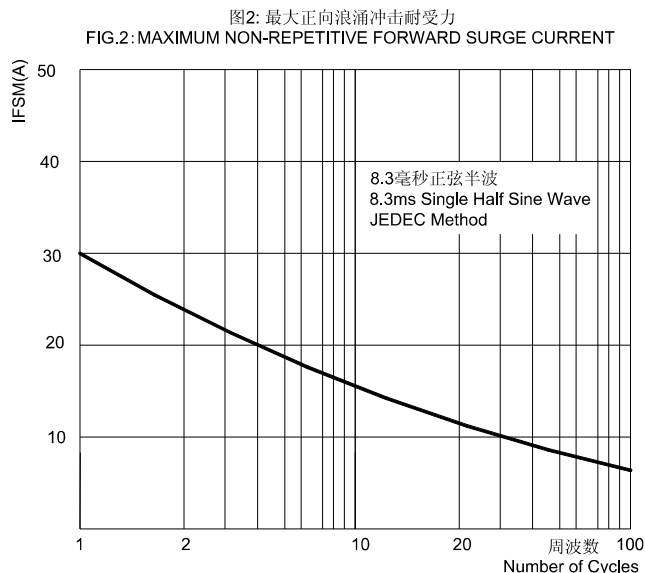
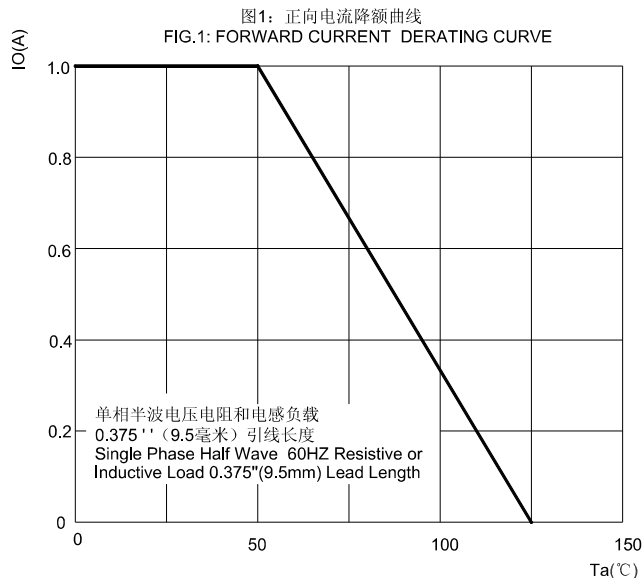


图5: 反向恢复时间试验电路及测试波形示意图
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time

