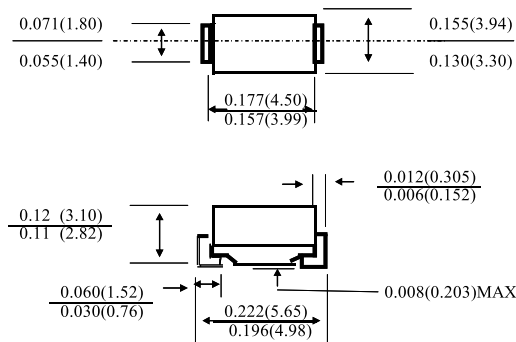


■外形尺寸和印记 Outline Dimensions and Mark
DO - 214AA(SMB)


inch (mm)

■特征 Features

- I_o 2A
- VRRM
- 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	RS						
				2A	2B	2D	1G	2J	2K	2M
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℃ 60Hz Half-sine wave, Resistance load, Ta=50℃	2						
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℃ 60Hz Half-sine wave,1 cycle, Ta=25℃	50						
结温 Junction Temperature	T _J	℃		-55~+125						
储存温度 Storage Temperature	T _{STG}	℃		-55 ~ +150						

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

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition		RS						
					2A	2B	2D	2G	2J	2K	2M
正向峰值电压 Peak Forward Voltage	V _{FM}	V	I _{FM} =1.0A		1.3						
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		150			250	500		
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		25						

■特性曲线（典型）

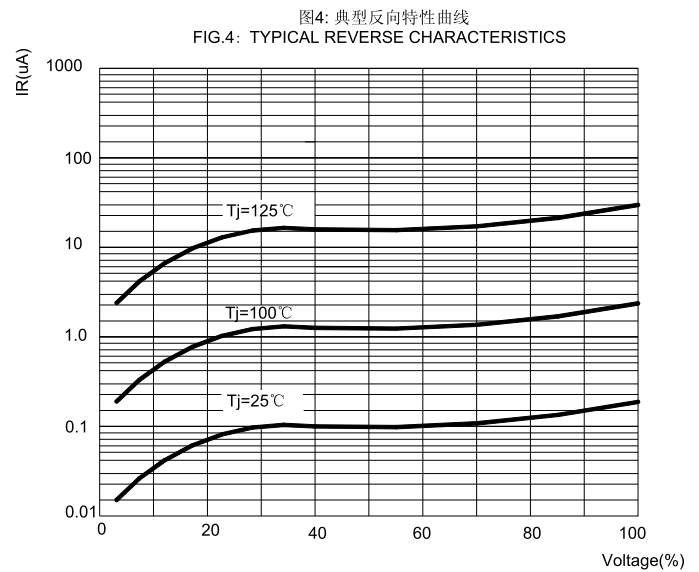
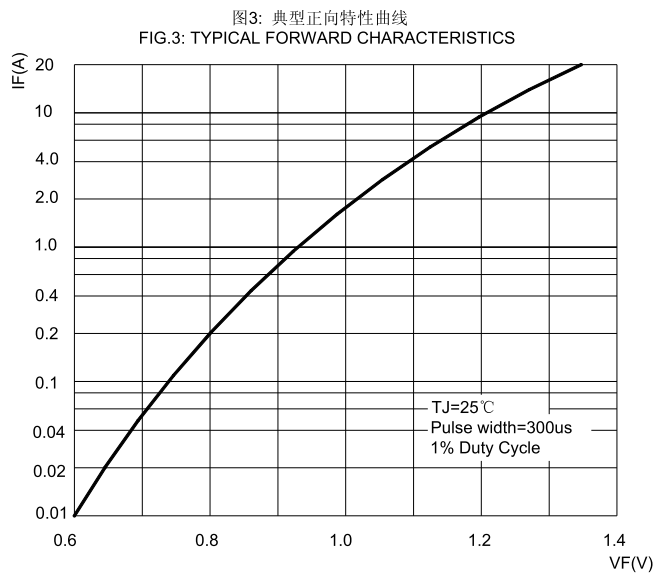
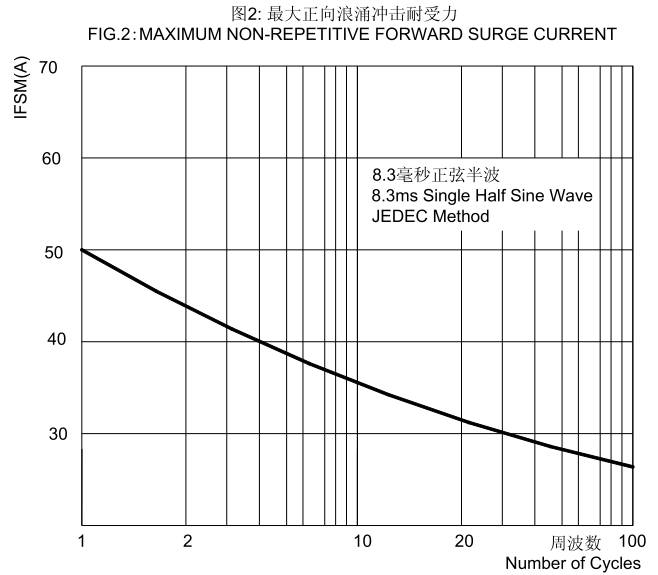
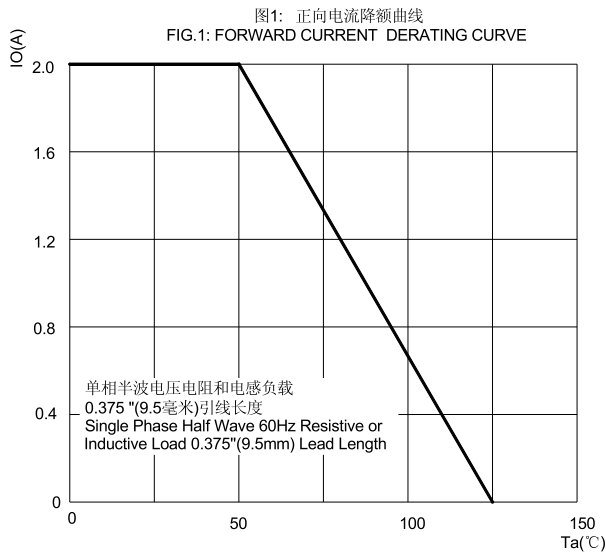


图5: 反向恢复时间试验电路及测试波形示意图
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time

