

TO-252 ULTRAFAST RECOVERY RECTIFIERS 特快恢复整流二极管

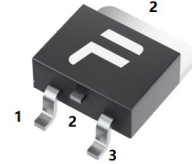
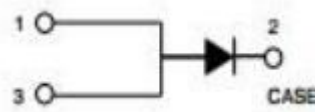
■ **Features 特点**

High speed switching capability 高速开关能力

High surge current capability 高浪涌电流能力

Low forward voltage drop 低正向压降

Case 封装:TO-252



■ **Maximum Rating 最大额定值**

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	MURD0560	Unit 单位
Peak Reverse Voltage 反向峰值电压	V_{RRM}	600	V
DC Reverse Voltage 直流反向电压	V_{DC}	600	V
Work Reverse Voltage 反向工作电压	V_{RWM}	600	V
Forward Rectified Current 正向整流电流	I_F	9	A
Peak Surge Current 峰值浪涌电流	I_{FSM}	50	A
Thermal Resistance J-C 结到管壳热阻	$R_{\theta JC}$	4	$^{\circ}\text{C}/\text{W}$
Junction Temperature 结温	T_J	150	$^{\circ}\text{C}$
Storage Temperature 储藏温度	T_{stg}	-40to+150 $^{\circ}\text{C}$	$^{\circ}\text{C}$

■ **Electrical Characteristics 电特性**

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	Type 典型值	Max 最大值	Unit 单位	Condition 条件
Forward Voltage 正向电压	V_F	1.1 1.28	1.59	V	$I_F=2\text{A}$ $I_F=5\text{A}$
Reverse Current 反向电流	$I_R(25^{\circ}\text{C})$ (125°C)	0.5 15	1	μA	$V_R=V_{RRM}$
Reverse Time 反向恢复时间	T_{rr}		35	nS	$I_F=0.5\text{A}$, $I_R=1\text{A}$

■ Typical Characteristic Curve 典型特性曲线

FIG.1 MAXIMUM FORWARD CURRENT DERATING CURVE

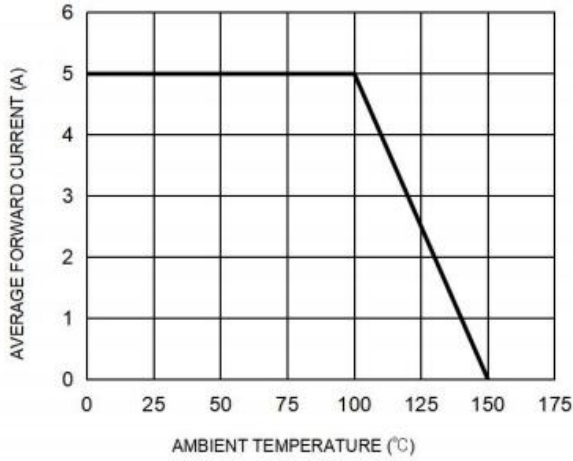


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG

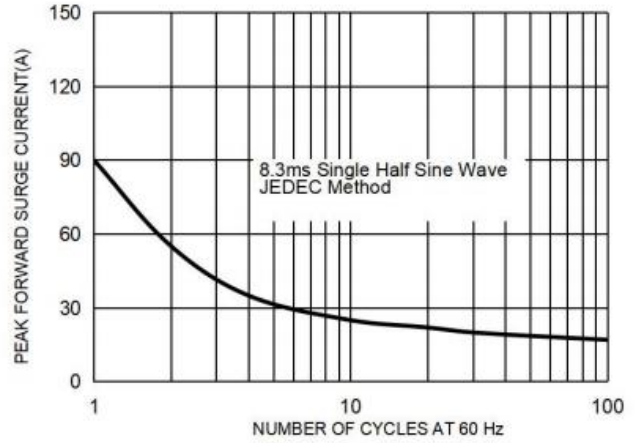


FIG. 3 TYPICAL FORWARD CHARACTERISTICS PER LEG

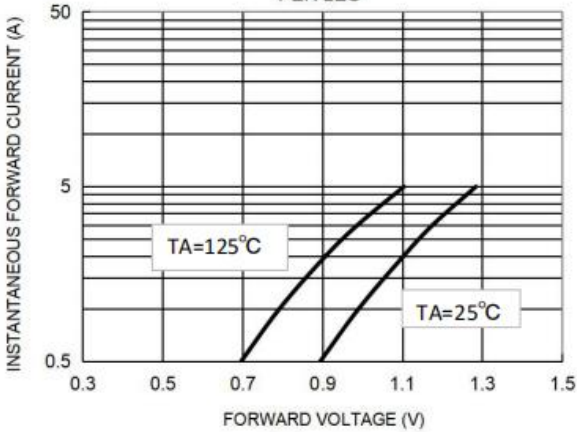
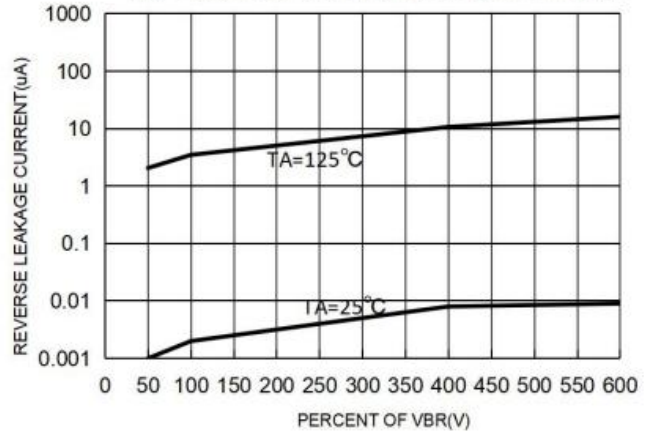


FIG. 4 TYPICAL REVERSE CHARACTERISTICS PER LEG



■Dimension 外形封装尺寸

TO-252

