

TO-247AC ULTRAFAST RECOVERY RECTIFIERS 特快恢复整流二极管

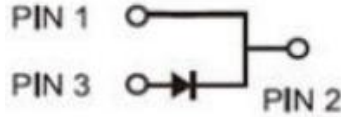
■ Features 特点

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-247AC



■ 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)

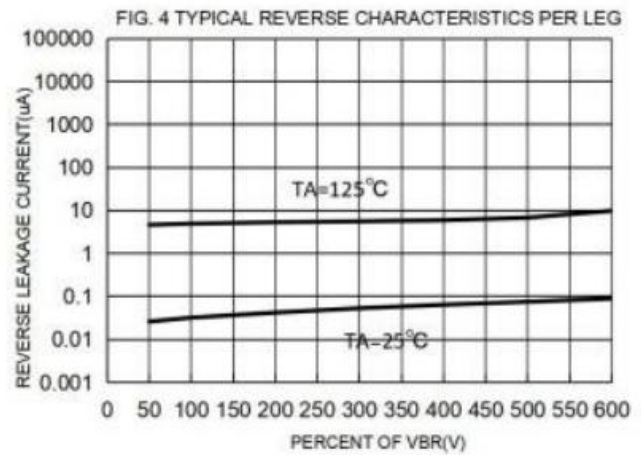
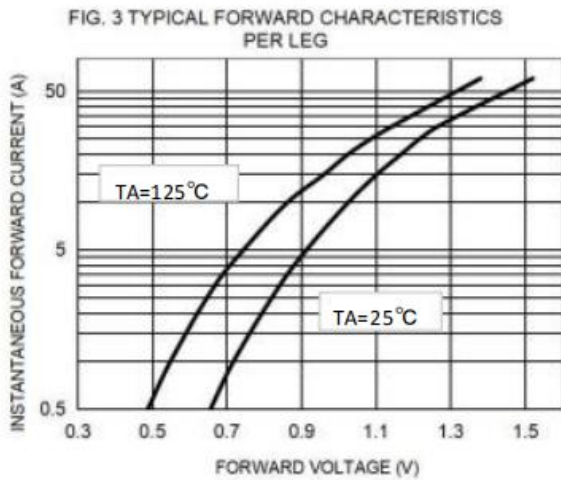
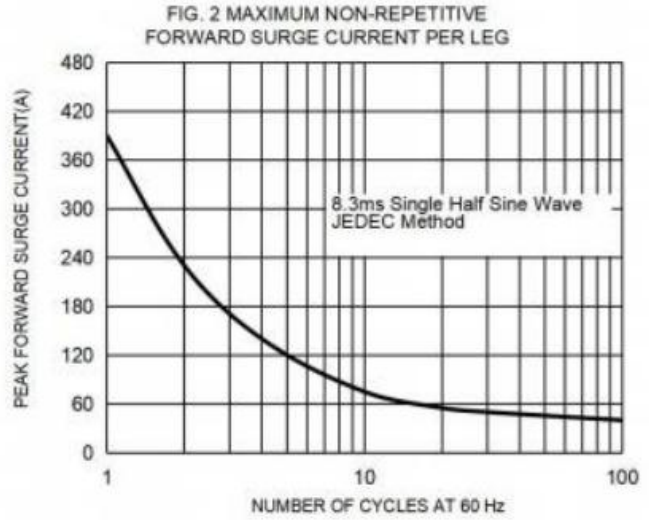
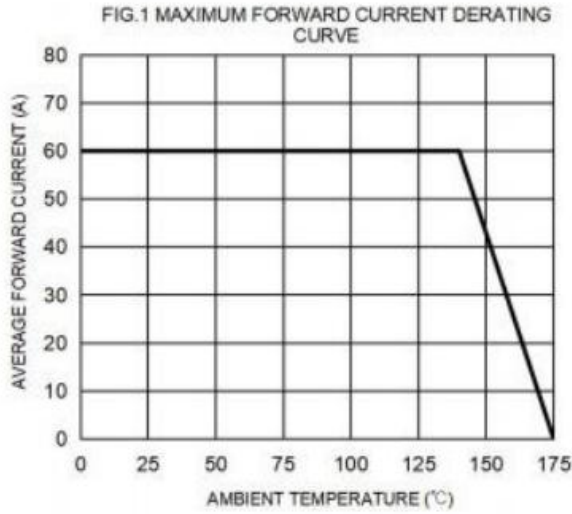
Characteristic 特性参数	Symbol 符号	MUR6060	Unit 单位
Peak Reverse Voltage 反向峰值电压	V_{RRM}	600	V
DC Reverse Voltage 直流反向电压	V_{DC}	600	V
Work Reverse Voltage 反向工作电压	V_{RWM}	600	V
Forward Rectified Current 正向整流电流	I_F	60	A
Peak Surge Current 峰值浪涌电流	I_{FSM}	390	A
Thermal Resistance J-C 结到管壳热阻	$R_{\theta JC}$	2	$^{\circ}\text{C}/\text{W}$
Junction Temperature 结温	T_J	175	$^{\circ}\text{C}$
Storage Temperature 储藏温度	T_{stg}	-50to+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	1.03 1.1 1.27 1.52	1.6 2	V	$I_F=10\text{A}$ $I_F=15\text{A}$ $I_F=30\text{A}$ $I_F=60\text{A}$
Reverse Current 反向电流	$I_R(25^{\circ}\text{C})$ (125 $^{\circ}\text{C}$)	0.1 10	2	μA	$V_R=V_{RRM}$
Reverse Time 反向恢复时间	T_{rr}	42	55	nS	$I_F=0.5\text{A}$, $I_R=1\text{A}$

■ Typical Characteristic Curve 典型特性曲线



■Dimension 外形封装尺寸

TO-247AC

