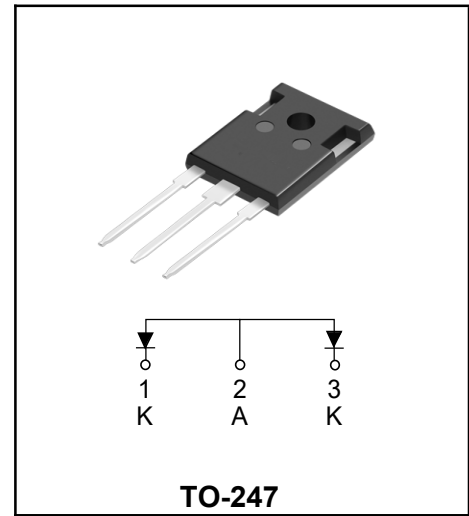


Super Fast Recovery Rectifier Diode
Reverse Voltage - 600 V
Forward Current - 60 A
FEATURES

- ◆ Super fast switching for high efficiency.
- ◆ Low reverse leakage.
- ◆ High forward surge current capability.
- ◆ RoHs Product.

APPLICATIONS

◆ Mainly used in switching power supply, PWM pulse width modulator, inverter as a freewheeling and other electronic circuits, high-frequency rectifier diode, diode or damping diode use


Primary Characteristic

I_F	2*30A
V_{RRM}	600V
I_{FSM}	380*2A
V_F	1.85V
T_J Max	125°C

Maximum Ratings (Per Leg) at Ta=25°C unless otherwise specified

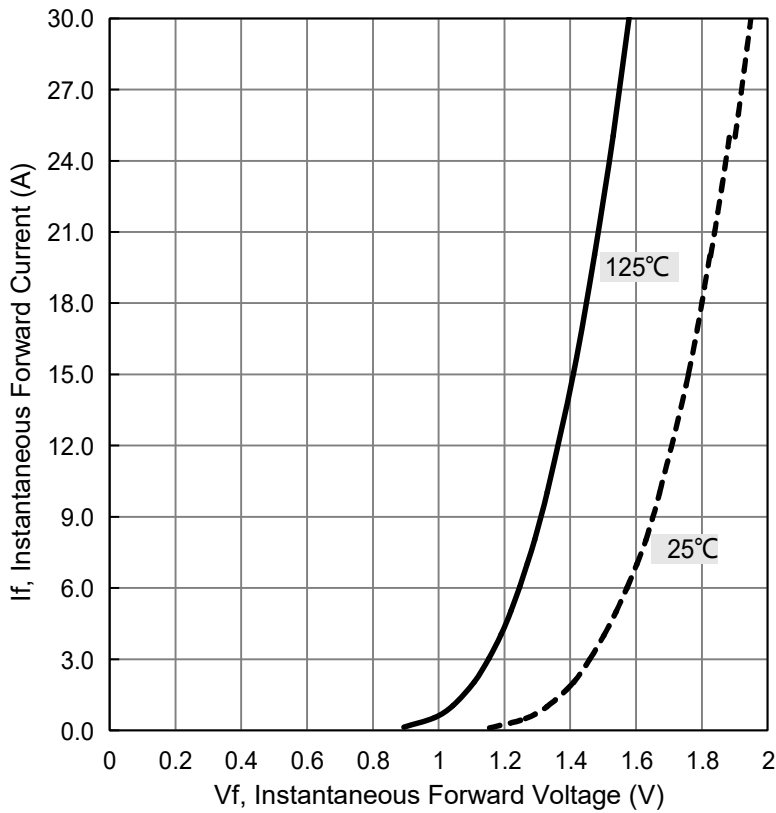
Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	600	V
Maximum RMS voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current	I_F	per device	60
		per diode	30
Peak Forward Surge Current, 8.3ms Single Half Sine-wave	I_{FSM}	380*2	A
Operating Temperature Range	T_J	-40 ~ +125	°C
Storage Temperature Range	T_{STG}	-40 ~ +125	°C
Typical Thermal Resistance (Note2)	R_{θJC}	0.5	°C/W

Electrical Characteristics (Per Leg) unless otherwise specified

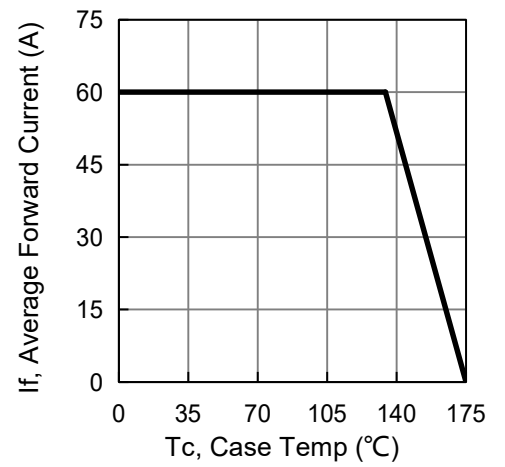
Characteristics	Symbols	Value	Units
Typical Forward Voltage at IF=30A	V_F	1.85	V
Max. DC Reverse Current at Rated DC Blocking Voltage	I_R	T _A =25°C	0.01
		T _A =125°C	0.10
Maximum Reverse Recovery Time at IF=0.5A IR=1.0A IREC=0.25A	T_{RR}	≤50	nS

Ratings and Characteristic Curves

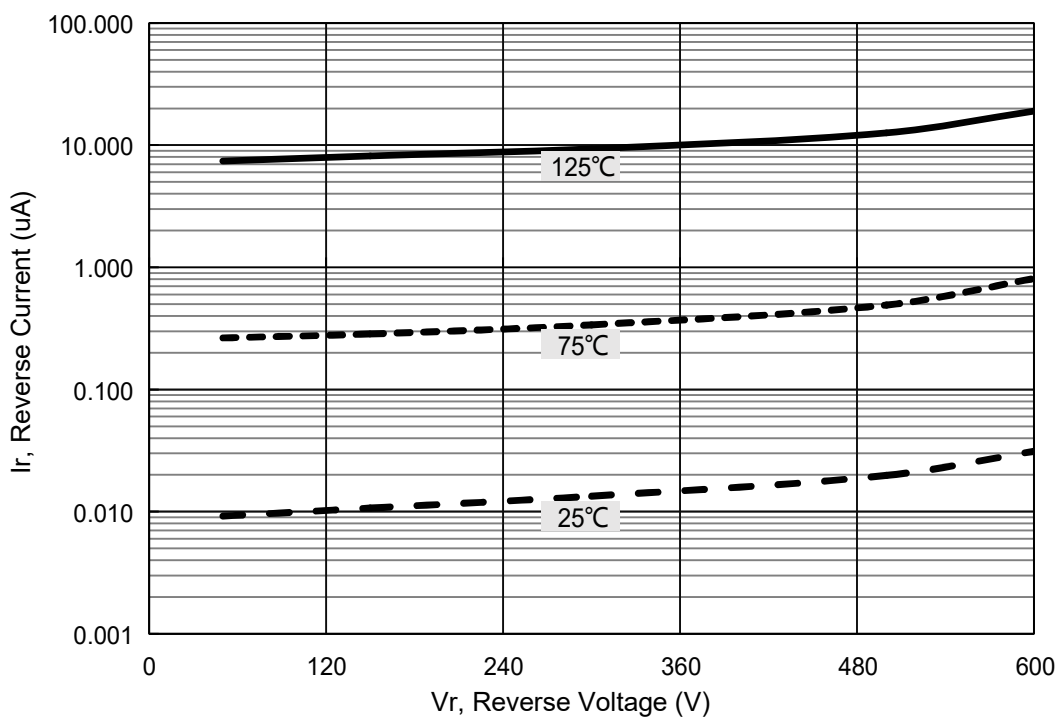
The forward voltage and forward current curve



Current derating curve, per element

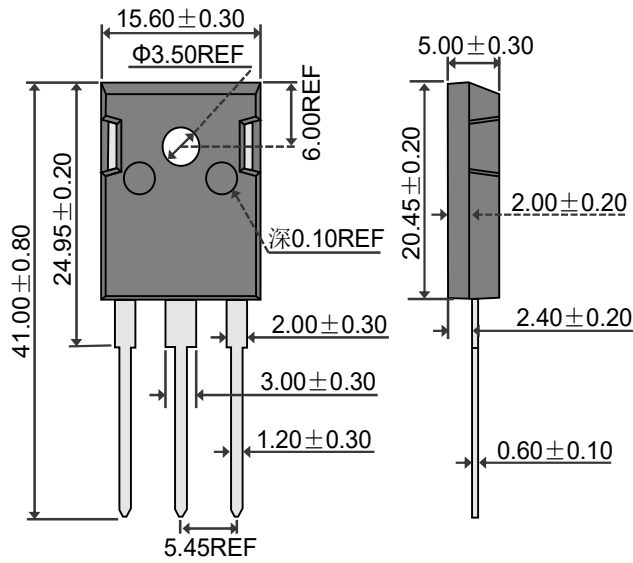


The reverse leak current and the reverse voltage (single-device) curve.



Package Outline Dimensions millimeters

TO-247



Ordering information

Part Number	Package	Marking	Base Quantity	Delivery mode
MUR6060SPTR	TO-247	YFW MUR6060SPTR XXXXX	30 pcs / tube	600pcs/box 2400pcs/carton