

Ultrafast Rectifier
MUR1060
FEATURES

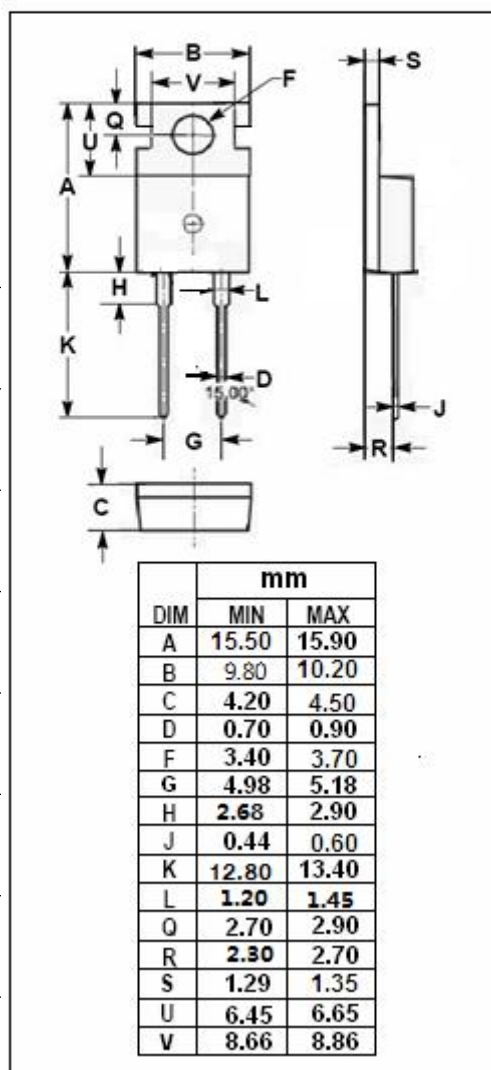
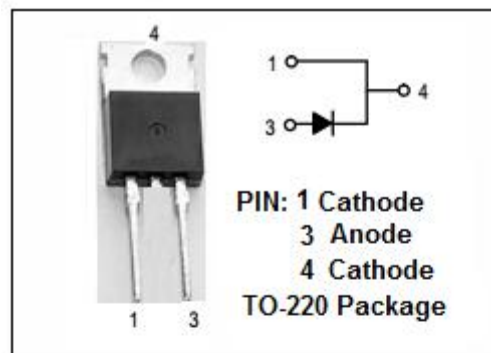
- High Current Capability
- Low Power Loss, High Efficiency
- Low Forward Voltage Drop
- 100% avalanche tested
- With TO-220 package
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- The MUR1060 is designed for use in switching power Supplies, inverters and as free wheeling diodes.

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{RRM} V _{RWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	600	V
V _{RMS}	Maximum RMS voltage	420	V
I _{F(AV)}	Average Rectified Forward Current	10	A
I _{FSM}	Nonrepetitive Peak Surge Current (Surge applied at rated load conditions half-wave, single phase, 60Hz)	100	A
T _J	Junction Temperature	-55~150	°C
T _{stg}	Storage Temperature Range	-55~150	°C



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THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	2.0	°C/W

ELECTRICAL CHARACTERISTICS(T_a=25°C) (Pulse Test: Pulse Width=300 μ s, Duty Cycle≤2%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _{F*}	Maximum Instantaneous Forward Voltage	I _F =10A ;T _j =25°C	1.5	V
I _{R*}	Maximum Instantaneous Reverse Current	V _R = V _{RWM} ;T _j =25°C V _R = V _{RWM} ;T _j =125°C	10 250	μ A

*:Pulse test ,Pulse width=300us,duty cycle≤2%

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