

Ultra fast Rectifier

MUR1660CTG

FEATURES

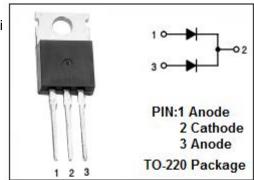
- Plastic package has Underwriters Laboratory Flammability Classificati
- Ultrafast 35 and 60 Nanosecond Recovery Times
- 175° C Operating Junction Temperature
- Popular TO-220 Package
- High Temperature Glass Passivated Junction
- High Voltage Capability to 600 V
- Low Leakage Specified @ 150° C Case Temperature
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

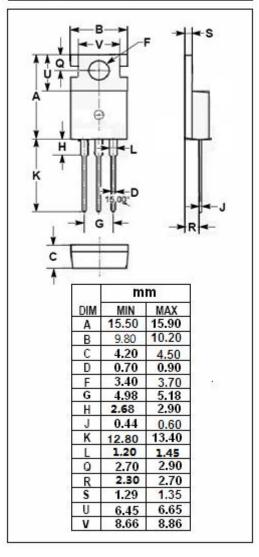


- · Switching power supply
- · Power switching circuits
- General purpose

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{RRM} V _{RWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	600	V
I _{F(AV)}	Average Rectified Forward Current Per Leg: Tc=150℃; Total Device:	8.0 16	Α
I _{F(RSM)}	RMS Forward Current Tc=150°C 20KHz; Squqre wave	16	Α
IFSM	Nonrepetitive Peak Surge Current Single phase;60HZ;	100	Α
TJ	Junction Temperature	-65~175	$^{\circ}$ C
Tstg	Storage Temperature Range	-65~175	$^{\circ}$







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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 ;Tj=25℃ I _F =10A ;Tj=150℃	1.2 1.5	V
I _R	Maximum Instantaneous Reverse Current	Rated DC Voltage;Tj=25°C Rated DC Voltage;Tj=125°C	500 10	mA
t _{rr}	Maximum Reverse Recovery Time	I _F =0.5A;I _R =1.0A;I _{REC} =0.25A	50	ns

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