

MURF1640CT

FEATURES

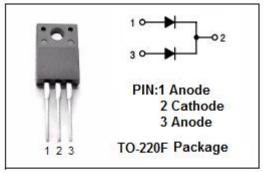
- Ultrafast with soft recovery
- 175℃ Operating temperature
- Popular TO-220 package
- High voltage capability to 600 volts
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

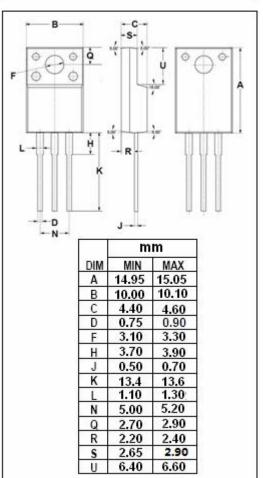
APPLICATIONS

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

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{RRM} Vrwm Vr	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	400	V
IF(AV)	Average Rectified Per Leg: Forward Current Tc=150°C Total Device:	8 16	A
IFSM	Nonrepetitive Peak Surge Current (Surge applied at rated load conditions half- wave, single phase, 60Hz)	100	A
TJ	Junction Temperature	-65~175	°C
T _{stg}	Storage Temperature Range	-65~175	°C





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INCHANGE SEMICONDUCTOR

Ultra fast Rectifier

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THERMAL CHARACTERISTICS

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

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

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _F	Maximum Instantaneous Forward Voltage	I⊧=8A ;Tj=25℃ I⊧=8A ;Tj=150℃	1.3 1.3	V
I _R	Maximum Instantaneous Reverse Current	V _R = V _{RWM} ;Tj=25°C V _R = V _{RWM} ;Tj=125°C	10 500	μA
trr	Maximum Reverse Recovery Time	IF =0.5A;IR=1A;I _{REC} = 0.25A	50	ns



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