

Pb Free Plating Product

MUR1220CT thru MUR1260CT





12.0 Ampere Heatsink Dual Common Cathode Fast Recovery Rectifiers

Feature

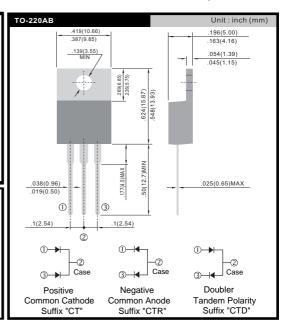
- ★ Fast switching for high efficiency
- Low forward voltage drop
- ★ High current capability
- ★ Low reverse leakage current
- High surge current capability

Application

- ★ Automotive Environment(Inverters/Converters)
- ★ Plating Power Supply,Adaptor,SMPS and UPS
- ★ Car Audio Amplifiers and Sound Device System

Mechanical Data

- Case:TO-220AB Heatsink
- ★ Epoxy: UL 94V-0 rate flame retardant
- Terminals: Solderable per MIL-STD-202 method 208
- ★ Polarity: As marked on diode body
- ★ Mounting position: Any
- ★ Weight: 2.2 gram approximately



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

	SYMBOL	MUR1220CT MUR1220CTR MUR1220CTD	MUR1240CT MUR1240CTR MUR1240CTD	MUR1260CT MUR1260CTR MUR1260CTD	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	200	400	600	V
Maximum RMS Voltage	VRMS	140	280	420	V
Maximum DC Blocking Voltage	VDC	200	400	600	V
Maximum Average Forward Rectified Current Tc=100°C	IF(AV)	12.0			А
Peak Forward Surge Current, 8.3ms single Half sine-wave superimposed on rated load (JEDEC method)	IFSM	100			А
Maximum Instantaneous Forward Voltage @ 6.0 A	VF	0.98	1.3	1.7	V
Maximum DC Reverse Current @TJ=25°C At Rated DC Blocking Voltage @TJ=125°C	lR	10.0 250			uA uA
Maximum Reverse Recovery Time (Note 1)	Trr	35			nS
Typical junction Capacitance (Note 2)	Cl	65			pF
Typical Thermal Resistance (Note 3)	Røc	2.2			°CW
Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +150			လ

NOTES : (1) Reverse recovery test conditions IF = 0.5A, IR = 1.0A, Irr = 0.25A.

(2) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts DC.

(3) Thermal Resistance junction to case.



