

MUR2010CT THRU MUR2060CT

Ultra-Fast Recovery Rectifier Diodes

Features

- Super-fast recovery time for high efficiency
- Glass passivated chip junction
- Low leakage current
- High forward surge capability

Typical Application

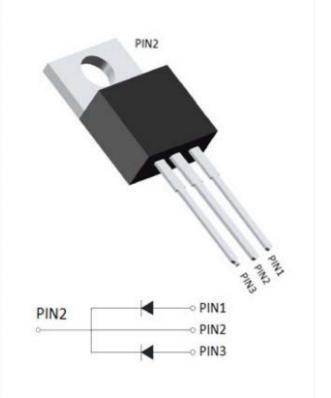
For use in high frequency rectification and freewheeling application in switching mode converters and inverters for consumer ,computer and telecommunication.

Mechanical Data

Package: TO-220AB
 Molding compound meets UL 94 V-0 flammability rating,RoHS-compliant

 Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Color Band denotes cathode end



■ Maximum Ratings (Ta=25°C Unless otherwise specified)

DADAMETED	Cumbal	Unit	Conditions		MUR-CT					
PARAMETER	Symbol				2010	2015	2020	2040	2060	
Repetitive Peak Reverse Voltage	VRRM	V			100	150	200	400	600	
Average Forward Current	Ю	А	60Hz sine wave,R-load	With heatsink Tc =90 ℃			20			
				Without heatsink Tc =25℃			5			
Surge(Nonrepetitive)Forward Current	IFSM	Α	60HZ sine wave, 1 cycle, Ta=25℃		125					
Current Squared Time	l²t	A²s	1ms≤t<8.3ms Tj=25℃,Rating of per diode		65					
Storage Temperature	Tstg	${\mathfrak C}$			-55 ~ +150					
Junction Temperature	T _i	°C	-55 ~ +150							

Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Cumbal	Unit	Conditions		MUR-CT				
PARAMETER	Symbol				2010	2015	2020	2040	2060
Peak Forward Voltage	V_{FM}	V	IFM=	10A	0.975			1.3	1.7
Dook Doverse Current	IRRM1	μА	VRM=VRRM	Ta=25℃	10				
Peak Reverse Current	IRRM2			Ta=125℃			500		
Maximum reverse recovery time	Trr	ns	I _F =0.5A,I _R =1.0A,I _{rr} =0.25A 25		50				
Thermal Resistance	RθJ-C	RθJ-C	Between junction and case 2.0		2.0	•			

Revised: 2021-11-29

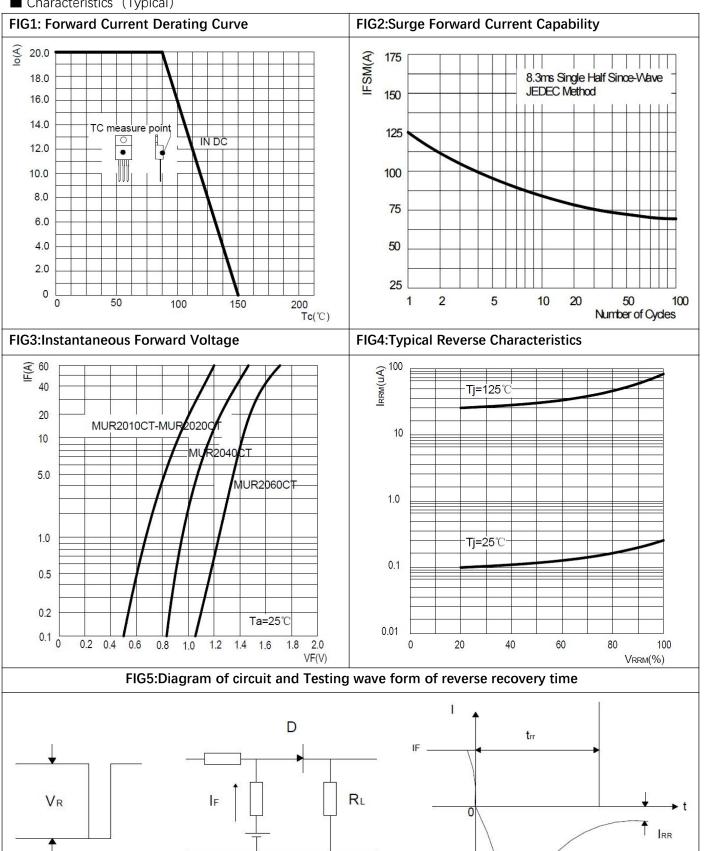






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■ Characteristics (Typical)







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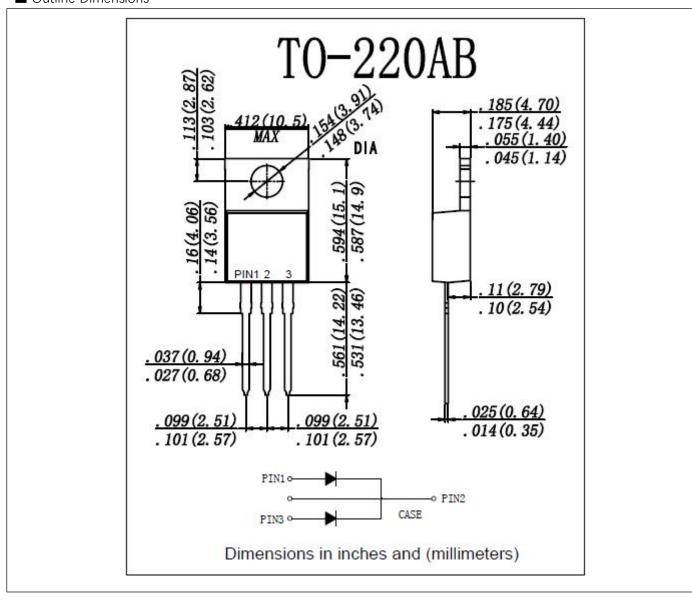


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■ Ordering Information (Example)

PREFERED	PACKAGE CODE	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
MUR1010CT~MUR1060CT	TO-220AB	50	1000	5000	Tube	

■ Outline Dimensions



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