MUR2010FCT THRU MUR2060FCT

Ultra-Fast Recovery Rectifier Diodes

Features

- Ultra-fast recovery time for high efficiency
- Glass passivated chip junction

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- Low leakage current
- High forward surge capability
- Solder dip maximum peak of 275 °C /7s, per JESD 22-B106

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:ITO-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)

PARAMETER	Symbol	Unit	Conditions	MUR-FCT					
PARAMETER	Symbol		Conditions	2010	2015	2020	2040	2060	
Repetitive Peak Reverse Voltage	Vrrm	V		100	150	200	400	600	
Average Forward Current	lo	А	60HZ Half-sine wave, Resistance load, Tc(Fig.1)	20					
Surge(Nonrepetitive)Forward Current	Ігѕм	А	60HZ sine wave, 1 cycle, Ta=25℃	125					
Current Squared Time	l ² t	A²s	1ms≤t<8.3ms Tj=25℃,Rating of per diode	65					
Storage Temperature	Tstg	°C		-55 ~ +150					
Junction Temperature	Tj	°C		-55 ~ +150					

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

PARAMETER	Symbol	Unit	Conditions		MUR-FCT				
PARAIVIETER	Symbol				2010	2015	2020	2040	2060
Peak Forward Voltage	VFM	V	IFM=1	0.0A	0.975			1.35	1.7
De als Deviana a Currant	IRRM1		Vrm=Vrrm	Ta=25 ℃	10				
Peak Reverse Current	IRRM2	- μΑ		Ta=125℃	500				
Maximum reverse recovery time	Trr	ns	I _F =0.5A,I _R =1.0A,I _{rr} =0.25A		35				
Thermal Resistance	Rej-c	R өj-c	Between junction and case		2.0				

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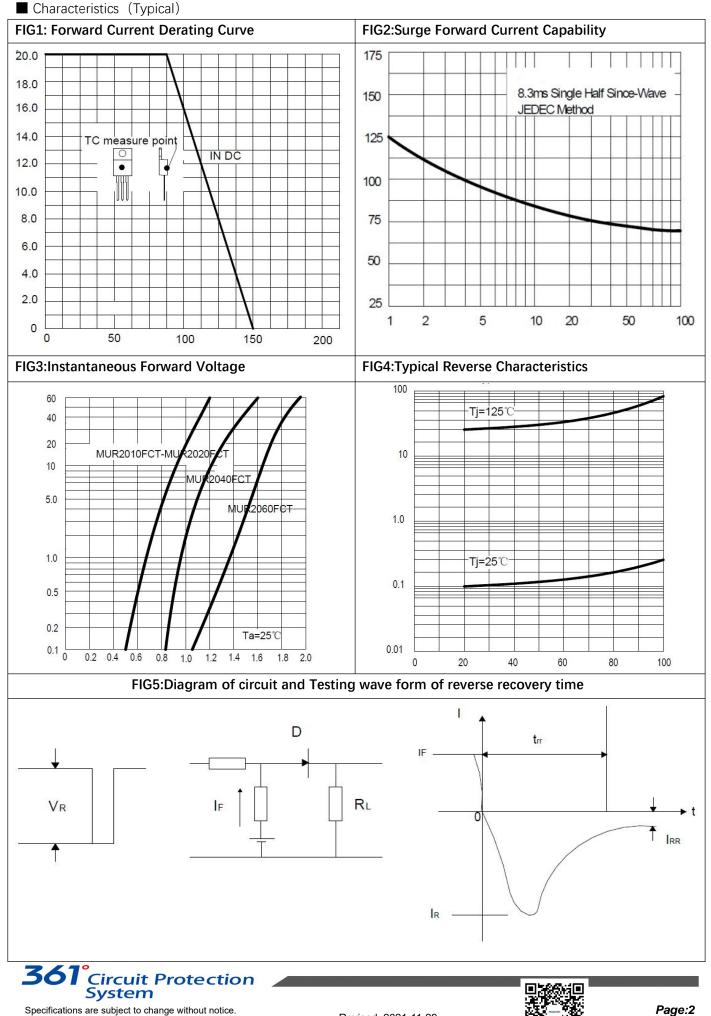
PIN1

PIN2

PIN3

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Please refer to http://www.ruilon.com.cn for current information.

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Ordering Information (Example)

PREFERED	PACKAGE CODE	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
MUR2010FCT~MUR2060FCT	ITO-220AB	50	1000	5000	Tube	

Outline Dimensions

