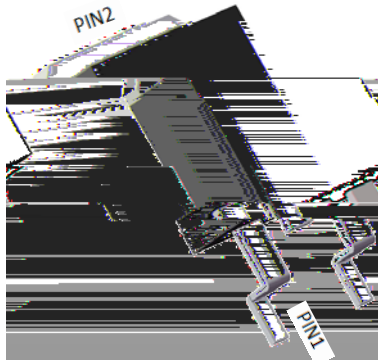




Product Name: MURB2020CT



Key Features:

- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

Typical Applications:

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Product Details:

Package: TO-263

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

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

Marking: As marked

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

Parameter	Symbol	Unit	Value
Device marking code			MURB2020CT

Repetitive (Non-repetitive) Forward Current
@60Hz half sine-wave, 1 cycle, Tj=25°C

Forward Current	IFSM	A	120
Current Squared Time @1ms t 8.3ms Tj=25°C	I ² t	A ² s	60
Storage Temperature	Tstg		-55 ~ +175
Junction Temperature	Tj		-55 ~ +175
Typical Junction capacitance @4V,1MHz	Cj	pF	150



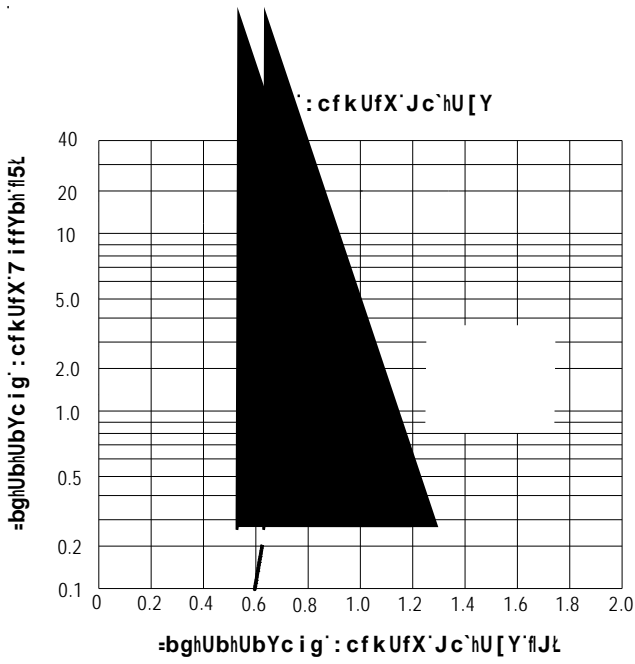
AIF67H

9`YWhf]WU`7\UfUWhYf]gh]Wg

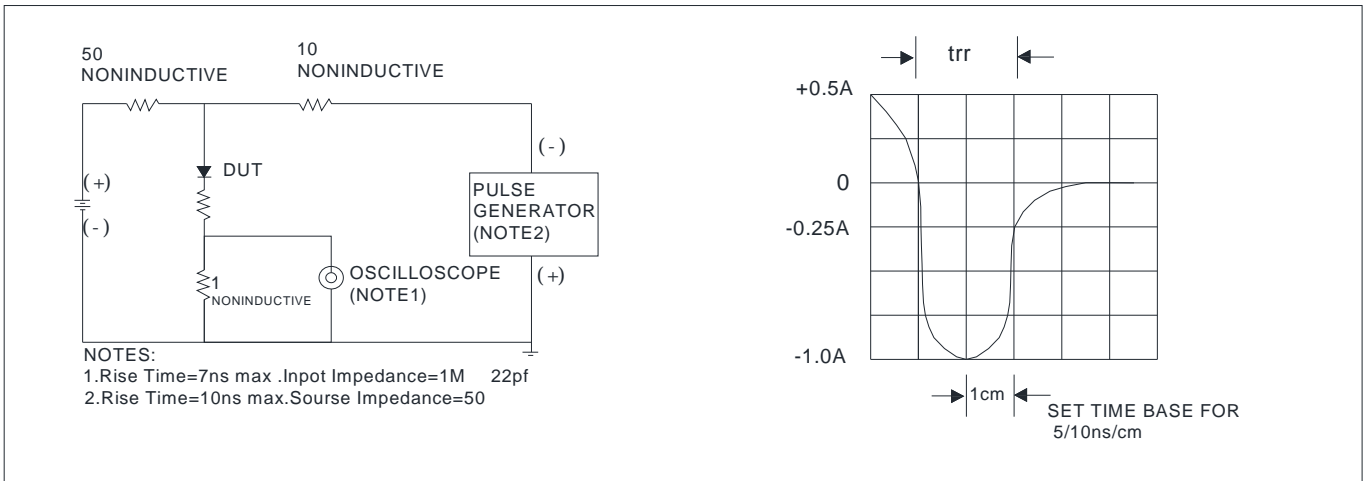
D5F5A9H9F	GMA6C@	IB-H	H9GH7CB8:H-CBG	Ajb	Hmd	AUI
Instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=10.0A @ T_j=25$	-	0.90	1.0
			$I_{FM}=10.0A @ T_j=150$		0.78	0.9
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	uA	$V_{RM}=V_{RRM}$ $T_j=25$	-	-	5.0
	I_{RRM2}		$V_{RM}=V_{RRM}$ $T_j=150$ $I_F=0.5A I_{RM}=1A$ $I_{RR}=0.25A T_j=25$	-	30	50
Reverse Recovery Time	T_{rr}	ns				



AIF6&\$&\$7H



:=; ') . '8]U [fU a 'cZ'W]fWi]h'UbX'HYgh]b ['kUjY'Zcfa 'cZ'fY jYfgY'fYWc jYfm'h]a Y





A I F 6 & \$ & \$ 7 H

8]gW'U]a Yf

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.