

Super Fast Rectifier

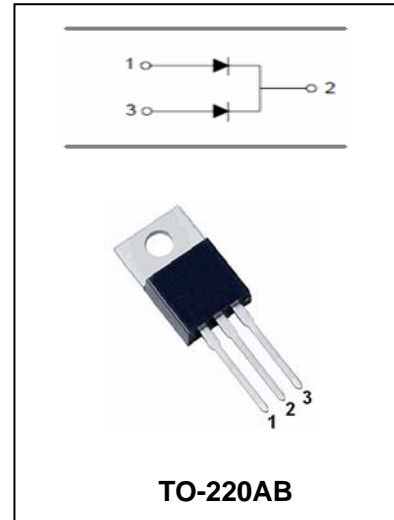
MUR3020CT

FEATURES

- Low Cost.
- Low Leakage.
- Low Forward Voltage Drop.
- High Current Capability.
- Easily Cleaned With Alcohol, Isopropanol and Similar Solvents.
- The Plastic Material Carries U/L Recognition 94V-0.



Lead-free



MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	MUR3020CT	Unit
V_{RRM}	Recurrnt Peak Reverse Voltage	200	V
V_{RMS}	RMS Voltage	140	V
V_{DC}	DC Blocking Voltage	200	V
$I_{F(AV)}$	Average Forward Rectified Current @ $T_A=100^\circ\text{C}$	30	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half-Sine-wave Superimosed on Rated Load	300	A
$T_j T_{stg}$	Operating Junction and Storage Tem-perature Range	-55 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	MAX	UNIT
			MUR3020CT	
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25^\circ\text{C}$ $V_R=V_{RRM}, T_A=150^\circ\text{C}$	5 250	μA
Forward Voltage	V_F	$I_F=15\text{A}$	0.975	V
Reverse Recover Time	t_{rr}	$I_F=0.5\text{A}, I_R=1\text{A},$ $I_{rr}=0.25\text{A}$	25	ns



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PACKAGE OUTLINE

Plastic surface mounted package

TO-220AB

