



Super Fast Rectifier

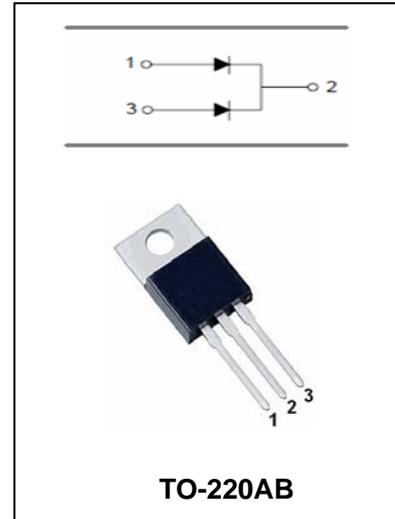
MUR3030CT

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	MUR3030CT	Unit
V_{RRM}	Recurrnt Peak Reverse Voltage	300	V
V_{RMS}	RMS Voltage	210	V
V_{DC}	DC Blocking Voltage	300	V
$I_{F(AV)}$	Average Forward Rectified Current @ $T_A=100^{\circ}C$	30	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half-Sine-wave Superimosed on Rated Load	200	A
T_j T_{stg}	Operating Junction and Storage Tem-perature Range	-55 to +150	$^{\circ}C$

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

Parameter	Symbol	Test conditions	MAX	UNIT
			MUR3030CT	
Reverse Current	I_R	$V_R=V_{RRM}, T_A=25^{\circ}C$ $V_R=V_{RRM}, T_A=150^{\circ}C$	10 500	μA
Forward Voltage	V_F	$I_F=15A$	1.50	V
Reverse Recover Time	t_{rr}	$I_F=0.5A, I_R=1A,$ $I_{rr}=0.25A$	50	ns



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PACKAGE OUTLINE

Plastic surface mounted package

TO-220AB

