



Schottky Diodes

Features

- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced rugged

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

- **Polarity:** As marked

■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	MBRU20100CTA
Device marking code			MBRU20100CTA
Repetitive Peak Reverse Voltage	VRRM	V	100
Average Rectified Output Current @60Hz sine wave, R-load, T _a =25	I _O	A	20
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T _a =25	I _{FSM}	A	250
Current Squared Time @1ms≤t<8.3ms T _j =25	I ² t	A ² s	262
Storage Temperature	T _{stg}		-55 ~ +150
Junction Temperature	T _j		

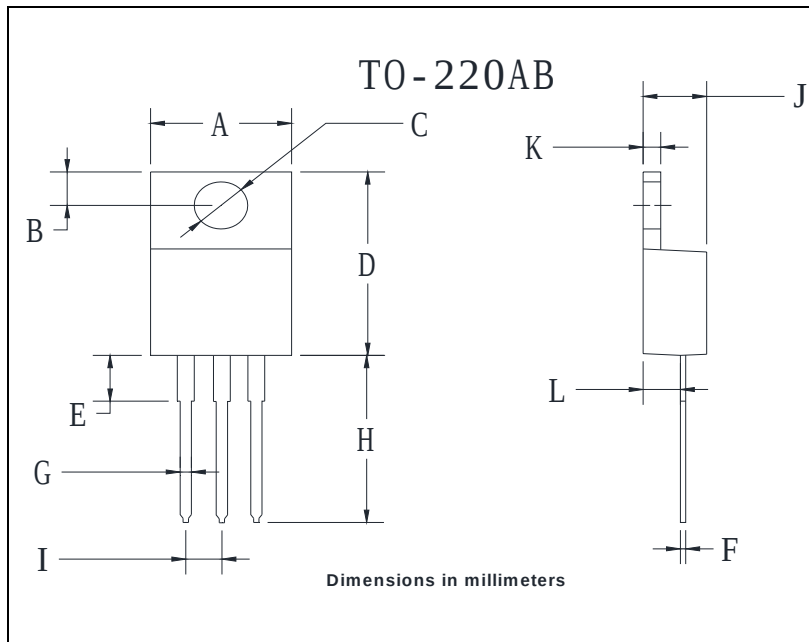
			CONDITION S	MBR U 20 1 00CTA
Maximum instantaneous forward voltage drop per diode	V _{FM}	V	I _{FM} =10.0A	0.65
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1} I _{RRM2}	mA	V _{RM} =VRRM	0.2

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





■Outline Dimensions



TO-220AB		
Dim	Min	Max
A	9.95	10.35
B	2.55	2.95
C	3.8	4.0
D	14.95	15.25
E	3.75	4.25
F	0.26	0.5
G	0.68	0.94
H	13.4	13.9
I	2.35	2.65
J	4.38	4.78
K	1.14	1.4
L	2.37	2.79



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