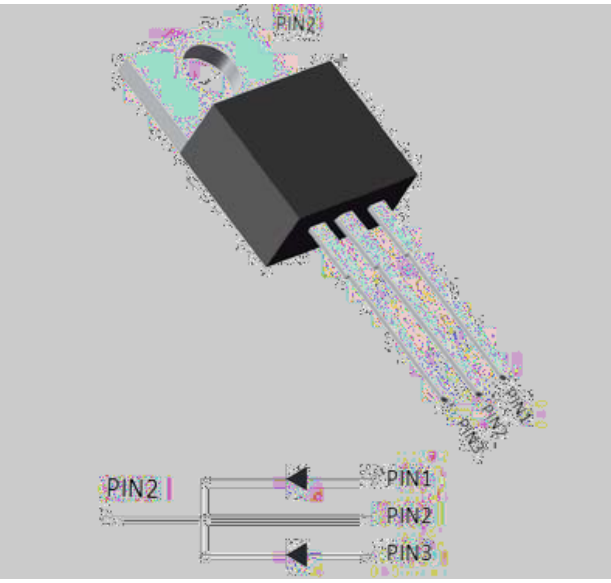
RoHS
COMPLIANT



- 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
- Solder dip 275 °C max. 7 s, per JESD 22-B106

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

- : TO-220AB
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : As marked

■ (Ta=25 Unless otherwise specified

Device marking code			MBR30100CT	MBR30150CT IO	A MBR30200CT =25

Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, Ta=25	IFSM	A	250
Current Squared Time @1ms≤t<8.3ms Tj=25	I^2t	A^2s	176
Storage Temperature	Tstg		-55 ~ +175
Junction Temperature	Tj		-55 ~ +175

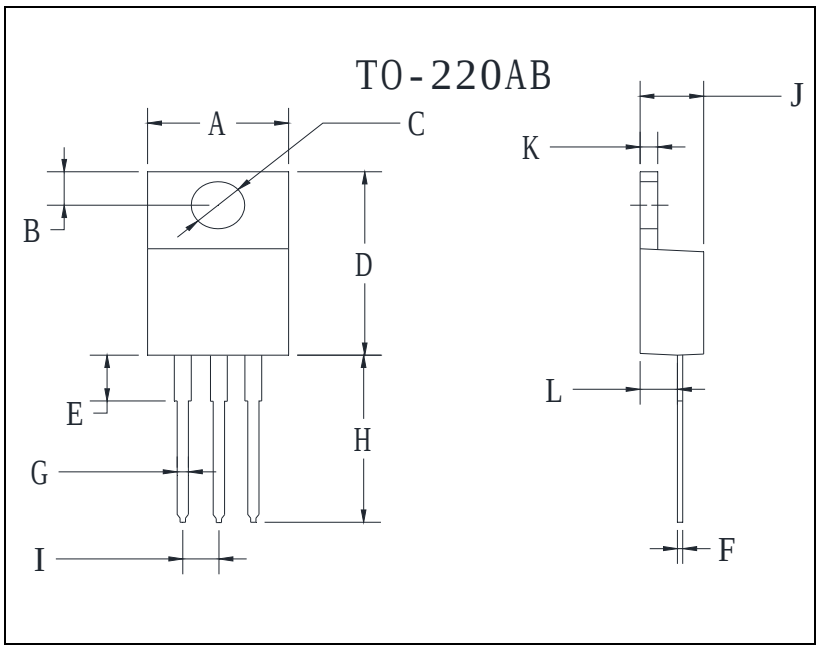
■ Ta=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=15.0A	0.8	0.85	0.9
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM1	mA	VRM=VRRM Ta=25	0.1		
	IRRM2		VRM=VRRM Ta=125	20		

Note1:Pulse test:300uS pulse widh,1% duty cycle

Note2:Pulse test:pulse widh 40mS

■



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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