

- High frequency operation
- Low forward voltage drop
- 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-220AC
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : As marked

■ (T_j=25 Unless otherwise specified)

Device marking code			MBR1545
Repetitive Peak Reverse Voltage	VRRM	V	45
Average Rectified Output Current @60Hz sine wave, R-load, T _c (FIG.1)	I _O	A	1.25
			IESM

Junction Temperature	T _j		-55 ~ +150

■ T_j=25 Unless otherwise specified

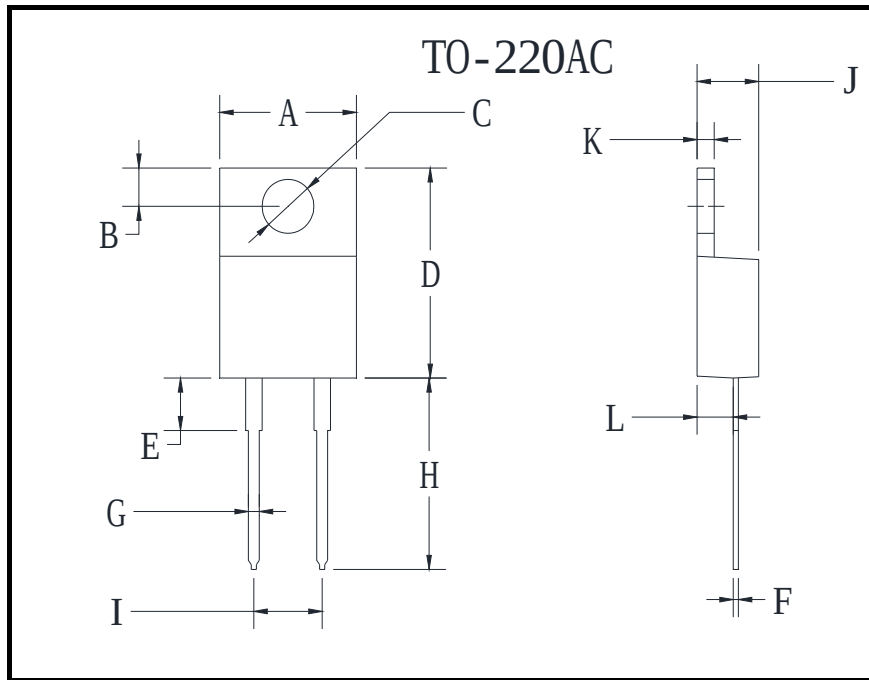
Maximum instantaneous forward voltage drop per diode	V _{FM}	V	I _{FM} =15.0A	0.63
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	mA	V _{RM} =V _{RRM} T _j =25	0.1
	I _{RRM2}		V _{RM} =V _{RRM} T _j =100	20



■ T_j=25 Unless otherwise specified

--	--	--	--

■



Dim	Min	Max
A	9.95	10.35
B	2.55	2.95
C	3.75	4.05
D	14.95	15.25
E	3.75	4.25
F	0.26	0.5
G	0.68	0.94
H	13.3	13.9
I	4.86	5.26
J	4.38	4.78
K	1.14	1.4
L	2.37	2.79

