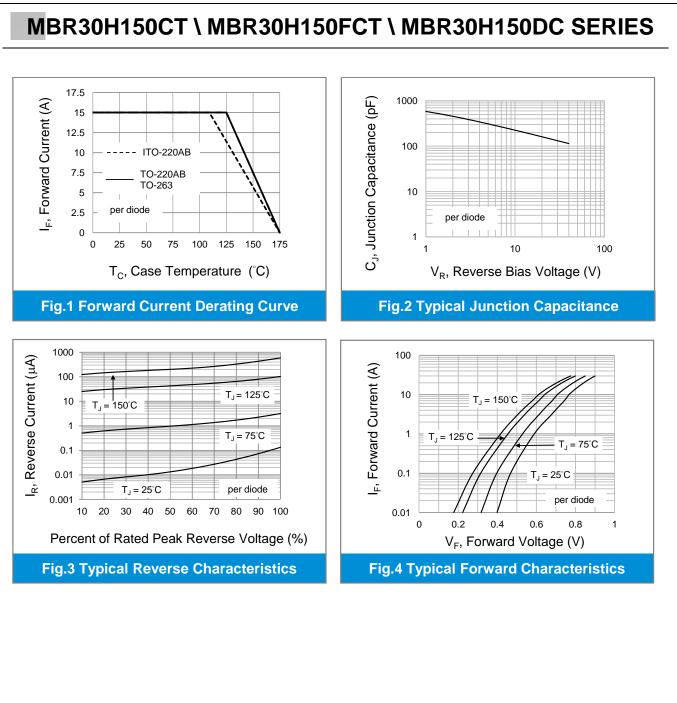


# Maximum Ratings And Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

PARAMETER	SYMBOL	150V	UNIT		
Maximum repetitive peak reverse voltage		Vrrm	150	V	
Maximum rms voltage		Vrms	105	V	
Maximum dc blocking voltage		Vr	150	V	
Maximum average forward rectified	per device		30	А	
current	per diode	lf(AV)	15		
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load per diode		IFSM	275	А	
Maximum forward voltage at 15A per diode		VF	0.85	V	
Maximum dc reverse current	TJ =25 °C		0.8	μA	
at rated dc blocking voltage	TJ =125 °C	lr	1	mA	
Typical thermal resistance	TO-220AB(Note 1)	Rojc	3	°C/W	
	TO-263(Note 1)		3		
	ITO-220AB(Note 1)		7		
Operating junction temperature range		TJ	-55 to +175	°C	
Storage temperature range		Tstg	-55 to +175	°C	

Note : 1. Device mounted on a infinite heatsink , then measured the center of the marking side.



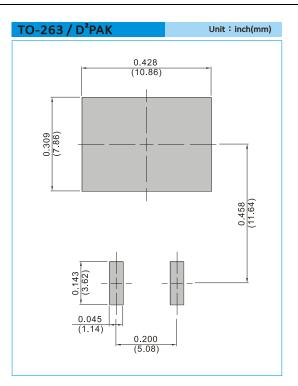






# MBR30H150CT \ MBR30H150FCT \ MBR30H150DC SERIES

### MOUNTING PAD LAYOUT



### ORDER INFORMATION

Packing information
T/R – 0.8K per 13" plastic Reel

SEMI CONDUCTOR

PAN



#### MBR30H150CT \ MBR30H150FCT \ MBR30H150DC SERIES **TO-263 / D<sup>2</sup>PAK** Unit: inch(mm) **TO-220AB** Unit: inch(mm) 0.419(10.66) 0.196(5.00) 0.189(4.8) 0.137(4.4) 0.387(9.85) 0.163(4.16) 0.409(10.4) Ø<u>0.156(3.95)</u> 0.054(1.39) 0.387(9.80) Ø0.147(3.75) 0.055(1.4) 0.045(1.15) 0.047(1.2) 4 11 0.269(6.85) 0.226(5.75) 0.378(9.60) 0.357(9.1) 0.624(15.87) 0.548(13.93) 1 0.146(3.7) 0.130(3.3) 0.110(2.8) 0.236(6.0) 0.197(5.0) 0.026(0.7) 0.115(2.92) 0.058(1.47) 50(12.7)MIN. 0.011(0.3) 0.080(2.03) 0.042(1.07) 0.177(4.5) 0.055(1.4) 0.035(0.9)MAX. MAX. 0.038(0.96) 0.025(0.65)MAX. 0.039(1.0) 0.019(0.50) 0.108(2.75) 0 0.108(2.75) 1 3 0.092(2.35) () (2 (3 0.092(2.35) 0.100(2.54) 0.100(2.54) С 2 AC (1)--2 AC (3)-**ITO-220AB** Unit: inch(mm) 0.112(2.85) 0.100(2.55) 0.406(10.3) 0.189(4.8) 0.272(6.9) 0.248(6.3) 0.381(9.7) 0.165(4.2) Ø0.134(3.4) 0.130(3.3) Ø0.118(3.0) 0.114(2.9) -----0.606(15.4) 0.583(14.8) 0.128(3.25) MIN 0.114(2.9) 0.098(2.5) 0.055(1.4) 0.543(13.8) 0.512(13.0) 5) 0.039(1.0) 0.177(4. 0.137(3. 0.055(1.4) 0.039(1.0) 0.028(0.7) 0.019(0.5) 3 0.027(0.67) 0.100(2.55) 0.100(2.55) 0.022(0.57) 2 AC 1 -2 AC 3





# MBR30H150CT \ MBR30H150FCT \ MBR30H150DC SERIES

#### Part No\_packing code\_Version

MBR30H150CT\_T0\_00001 MBR30H150CT\_T0\_10001 MBR30H150DC\_R2\_00001 MBR30H150DC\_R2\_10001 MBR30H150FCT\_T0\_00001 MBR30H150FCT\_T0\_10001

#### For example :

RB500V-40\_R2\_00001

→ Serial number → Version code means HF

Part No.

Packing size code means 13"
Packing type means T/R

Packing Code XX			Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	x			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			





# MBR30H150CT \ MBR30H150FCT \ MBR30H150DC SERIES

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