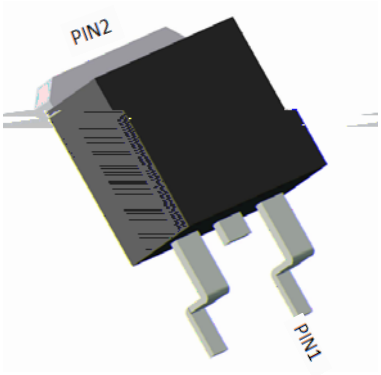
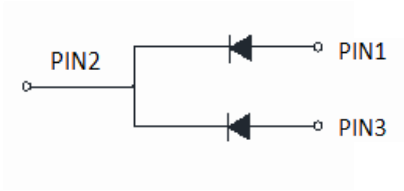
RoHS
COMPLIANT





- 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
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260

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

- : TO-263
  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			MBR20100CTS	MBR20150CTS	MBR20200CTS
Repetitive Peak Reverse Voltage	V_{RRM}	V	100	150	200
Average Rectified Output Current @60Hz sine wave, R-load, Ta=25	I_O	A	20		
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, Ta=25	I_{FSM}	A	130		
Current Squared Time @1ms≤t≤8.3ms Tj=25	I^2t	A^2s	70		
Storage Temperature	T_{stg}		-55 ~ +175		
Junction Temperature	Tj		-55 ~ +175		

■ Ta=25 Unless otherwise specified

				0.1		
	I_{RRM2}		$V_{RM}=V_{RRM}$ Ta=125	20		

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

Note2:Pulse test:pulse widh 40mS

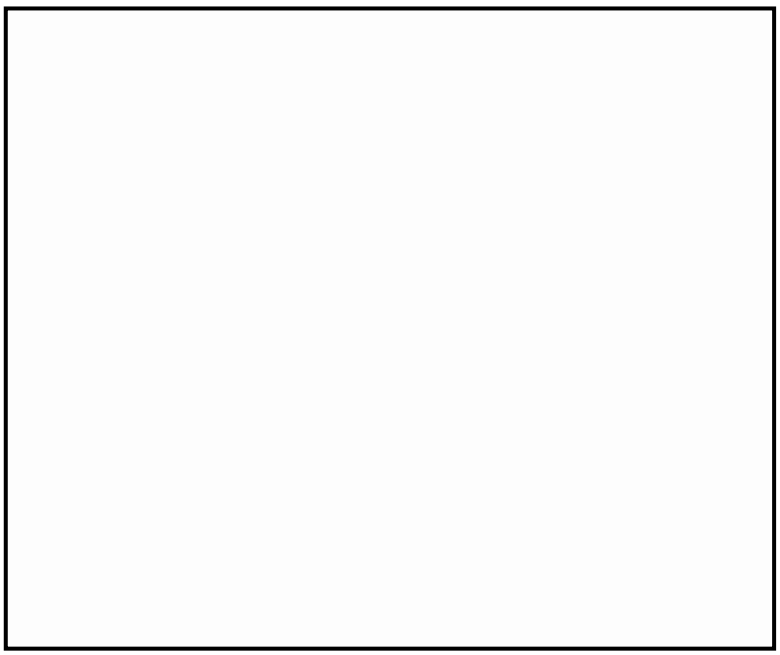
■ T_a=25 Unless otherwise specified

Thermal Resistance	Between junction and	herma µ '		R] غ Ď ŏ	b '	œ

■

Dim	Min	Max
A	9.5	

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