



- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Gu in plated leads, solderable per

J-STD-002 and JESD22-B102

- : As marked

($T_a=25$ Unless otherwise specified)

Device marking code			MBR30200PT
Repetitive Peak Reverse Voltage	V_{RRM}	V	200
Average Rectified Output Current @60Hz sine wave, R-load, $T_c=148$	I_O	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	I_{FSM}	A	250
Current Squared Time @ $1ms \leq t \leq 8.3ms$ $T_j=25$	I^2t	A^2s	

Peak Forward Voltage	V_{FM}	V	$I_{FM}=15.0A$ $T_j=25$	0.5	0.83	0.9
			$I_{FM}=15.0A$ $T_j=125$	-	0.745	0.82
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	mA	$V_{RM}=V_{RRM}$ $T_j=25$	-	-	0.1
	I_{RRM2}		$V_{RM}=V_{RRM}$ $T_j=125$	-	-	20
Junction capacitance	C_j	pF	1MHz and Applied Reverse Voltage of 4.0 V.D.C	150	240	500

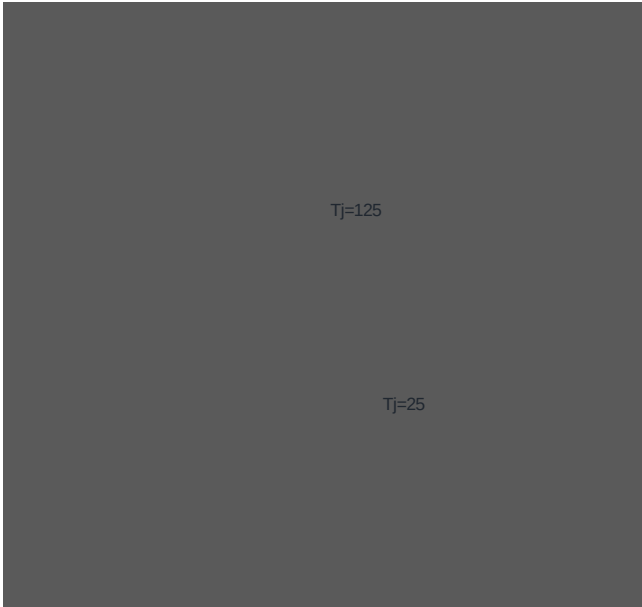


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Thermal Resistance	Between junction and ambient	$R_{\theta J-A}$	/W	50.0
	Between junction and case	$R_{\theta J-C}$	/W	1.0



(Typical)





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