



High frequency operation
 High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
 Guar O-220AB
 Soldering compound meets UL 94 V-0 flammability
 Lead-free, RoHS-compliant

Leads: Tin plated leads, solderable per J-STD-002 and JESD22-B102
 Marking: As marked

($T_a=25$ Unless otherwise specified)

Device marking code			MBR10200CTS
Repetitive Peak Reverse Voltage	V_{RRM}	V	200
Average Rectified Output Current @60Hz sine wave, R-load, $T_a=25$	I_o	A	10
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	I_{FSM}	A	100
Current Squared Time @1ms $t < 8.3ms$ $T_j=25$	I^2t	A^2s	42
Storage Temperature	T_{stg}		-55 ~ +175
Junction Temperature	T_j		-55 ~ +175

$T_a=25$ Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=5.0A$	0.95
Maximum DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	mA	$V_{RM}=V_{RRM}$ $T_a=25$	0.1
	I_{RRM2}		$V_{RM}=V_{RRM}$ $T_a=125$	20

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

Note2:Pulse test:pulse width 40mS



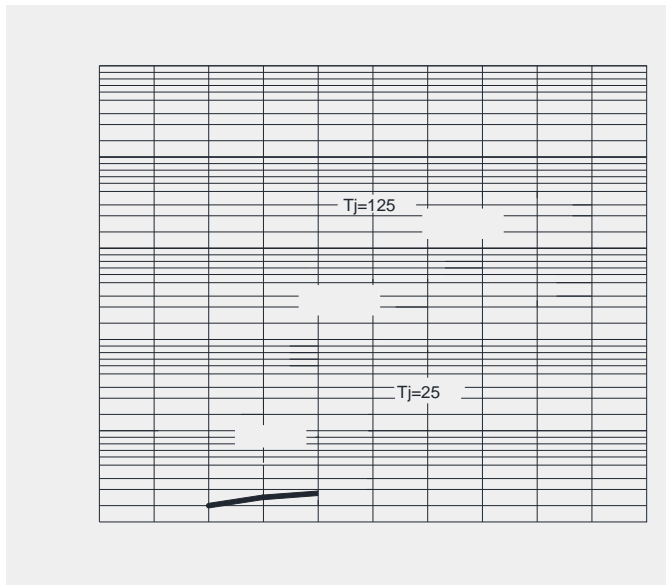
$T_a=25$ Unless otherwise specified

Thermal Resistance	Between junction and case	R_{j-c}	/W	2.0

(Example)

MBR10200CTS	Approximate 1.9	50	1000	5000	Tube

(Typical)







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