

# MBR20200CT

Rev.1 Nov.-2023

TO-220

Schottky Barrier Diode in a TO-220 Plastic Package.

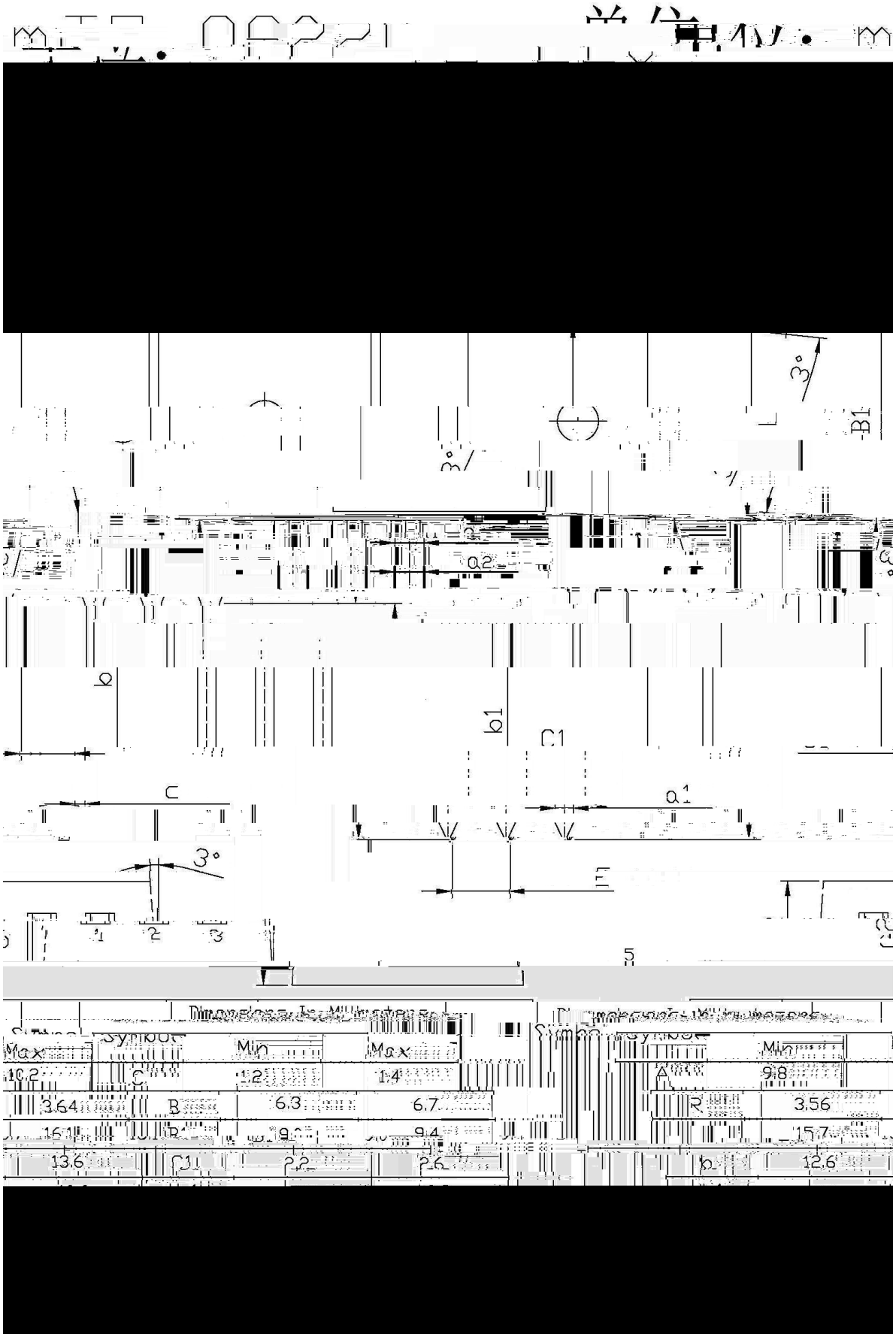
**/ Absolute Maximum Ratings(Ta=25**

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	V
Working Peak Reverse Voltage	$V_{RWM}$	200	V
Peak Repetitive Forward Current	$I_{FRM}$	20	A
Average Rectified Forward Current	$I_{F(AV)}$	10	A
	$I_{F(AV) \text{ total}}$	20	A
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	150	A
Repetitive Peak Reverse Surge Current	$I_{RRM}$	1.0	A
Thermal Resistance Junction to Case	$R_{JC}$	2.0	/W
Junction Temperature Range	$T_j$	175	
Storage Temperature Range	$T_{stg}$	-65 175	

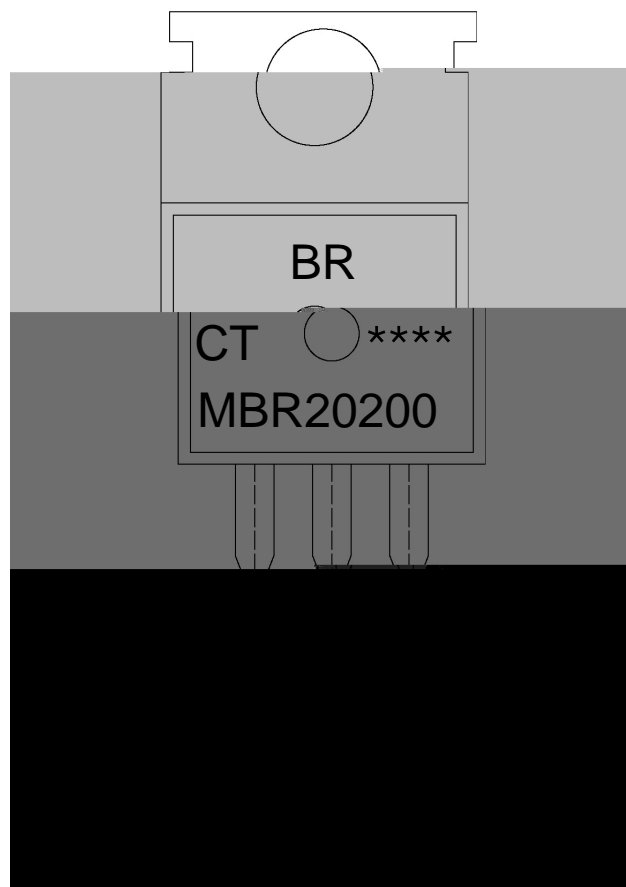
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=10A(T_j=25 \text{ }^\circ\text{C})$		0.8	0.9	V
		$I_F=10A(T_j=125 \text{ }^\circ\text{C})$		0.66	0.8	V
		$I_F=20A(T_j=25 \text{ }^\circ\text{C})$		0.89	1.0	V
		$I_F=20A(T_j=125 \text{ }^\circ\text{C})$		0.76	0.9	V
Instantaneous Reverse Current	$I_R$	$V_R=200V(T_j=25 \text{ }^\circ\text{C})$			1.0	mA
		$V_R=200V(T_j=125 \text{ }^\circ\text{C})$		0.4	50	mA
Voltage Rate of Change	dv/dt				10000	V/ $\mu$ s



**/ Package Dimensions**



## / Marking Instructions



BR

MBR20200

CT:

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Note:

BR: Company Code

MBR20200 Product Type Code

CT: Internal Structure

\*\*\*\*: Lot No. Code, code change with Lot No

