

MBR20200CT

Rev.I Nov.-2023



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TO-220

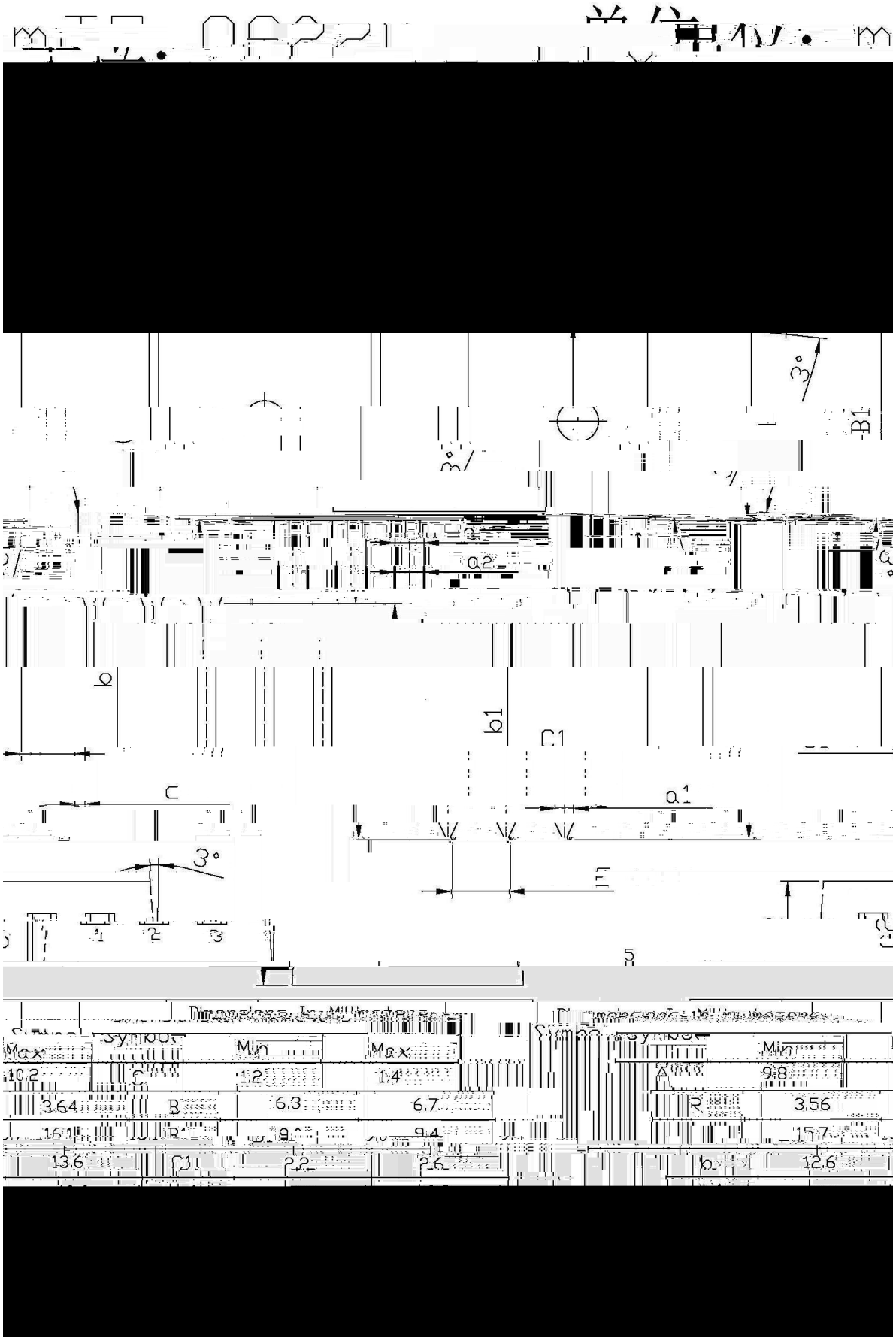
Schottky Barrier Diode in a TO-220 Plastic Package.

/ Absolute Maximum Ratings(Ta=25

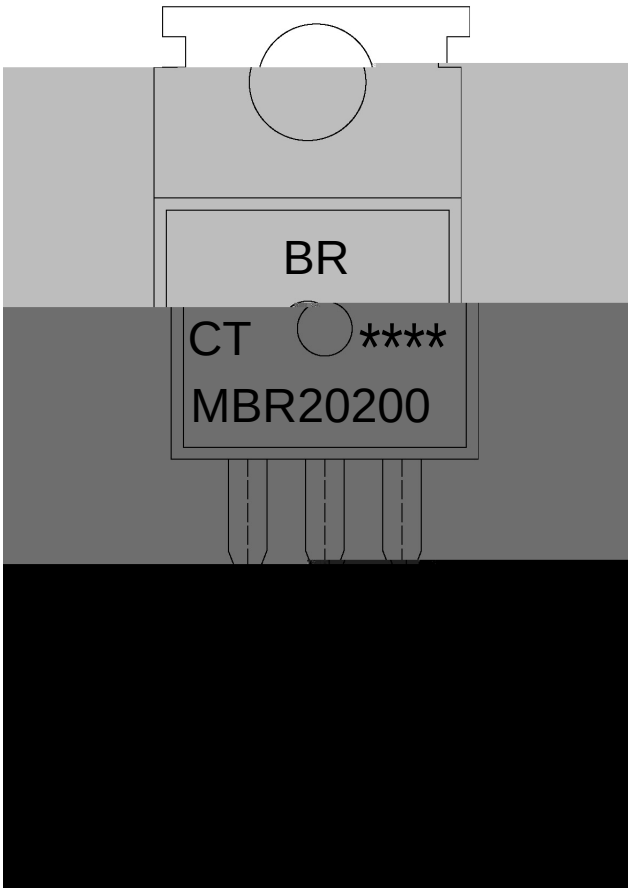
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Working Peak Reverse Voltage	V_{RWM}	200	V
Peak Repetitive Forward Current	I_{FRM}	20	A
Average Rectified Forward Current	$I_{F(AV)}$	10	A
	$I_{F(AV) \text{ total}}$	20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	150	A
Repetitive Peak Reverse Surge Current	I_{RRM}	1.0	A
Thermal Resistance Junction to Case	$R_{\theta JC}$	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	$I_F=10A(T_j=25^\circ C)$		0.8	0.9	V
		$I_F=10A(T_j=125^\circ C)$		0.66	0.8	V
		$I_F=20A(T_j=25^\circ C)$		0.89	1.0	V
		$I_F=20A(T_j=125^\circ C)$		0.76	0.9	V
Instantaneous Reverse Current	I_R	$V_R=200V(T_j=25^\circ C)$			1.0	mA
		$V_R=200V(T_j=125^\circ C)$		0.4	50	mA
Voltage Rate of Change	dv/dt				10000	V/ μs

/ Package Dimensions



/ Marking Instructions



BR	
MBR20200	
CT:	

Note:	
BR:	Company Code
MBR20200	Product Type Code
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No

