

MBRF40200CT

Rev.E Mar.-2016

TO-220F

TO-220F Plastic package Schottky diode .

Low forward voltage drop,low power

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	200	V
RMS Reverse Voltage	V_{RMS}	140	V
Average forward rectified Current	$I_{F(AV)}$	40	A
Non Repetitive Peak Surge Current	I_{FSM}	320	A
Thermal Resistance Junction to Case	R_{Jc}	4.5	/W
Junction and Storage Temperature Range	$T_j T_{stg}$	-40~+175	

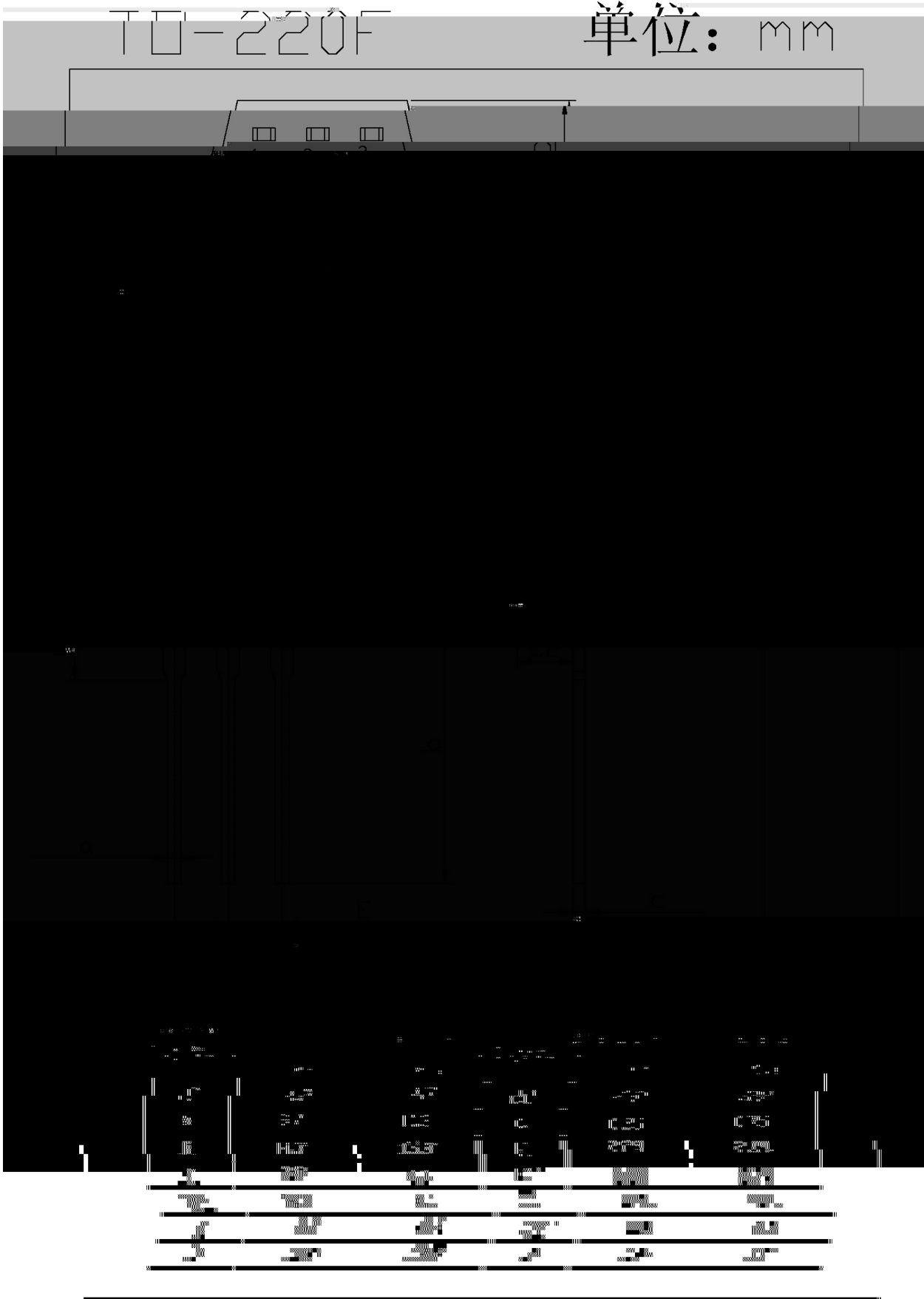
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)R}$	$I_R = 1mA$ $T_a = 25$	200			V
Peak Forward Voltage	V_{FM}	$I_F = 5.0A$ $T_a = 25$			0.82	V
		$I_F = 5.0A$ $T_a = 125$			0.78	V
		$I_F = 20A$ $T_a = 25$			0.95	V
		$I_F = 20A$ $T_a = 125$			0.82	V
Instantaneous Reverse Current	I_R Note 1	$V_R = 200V$ $T_a = 25$			100	uA
		$V_R = 200V$ $T_a = 125$			5	mA

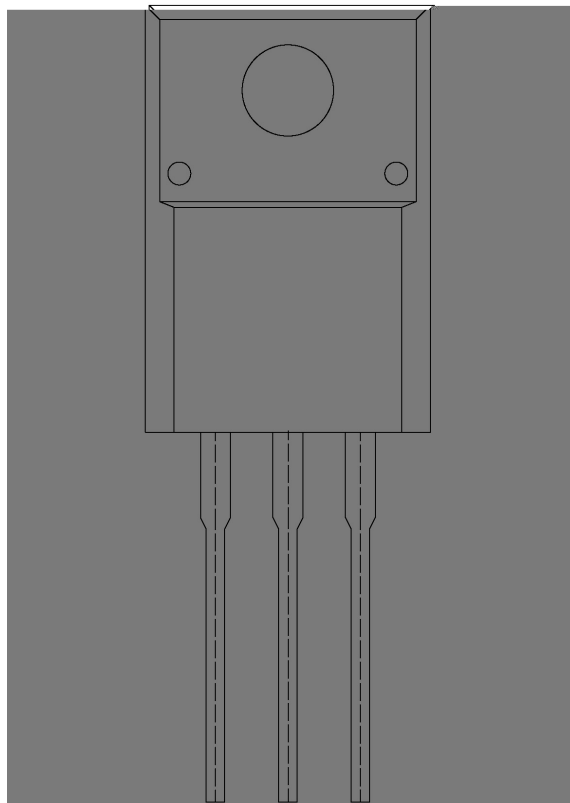
/Notes

1. /Short duration pulse test used to minimize self-heating effect.
2. / Unless otherwise noted, values for the parameters of a single chip

/ Package Dimensions



/ Marking Instructions



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DATA SHEET