

/ Descriptions

TO-220F

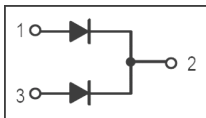
Schottky Barrier Diode in a TO-220F Plastic Package.

/ Features

Low power loss,high efficiency.

/ Applications

For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

/ Equivalent Circuit**/ Pinning**

PIN1 Anode PIN 2 Cathode PIN 3 Anode

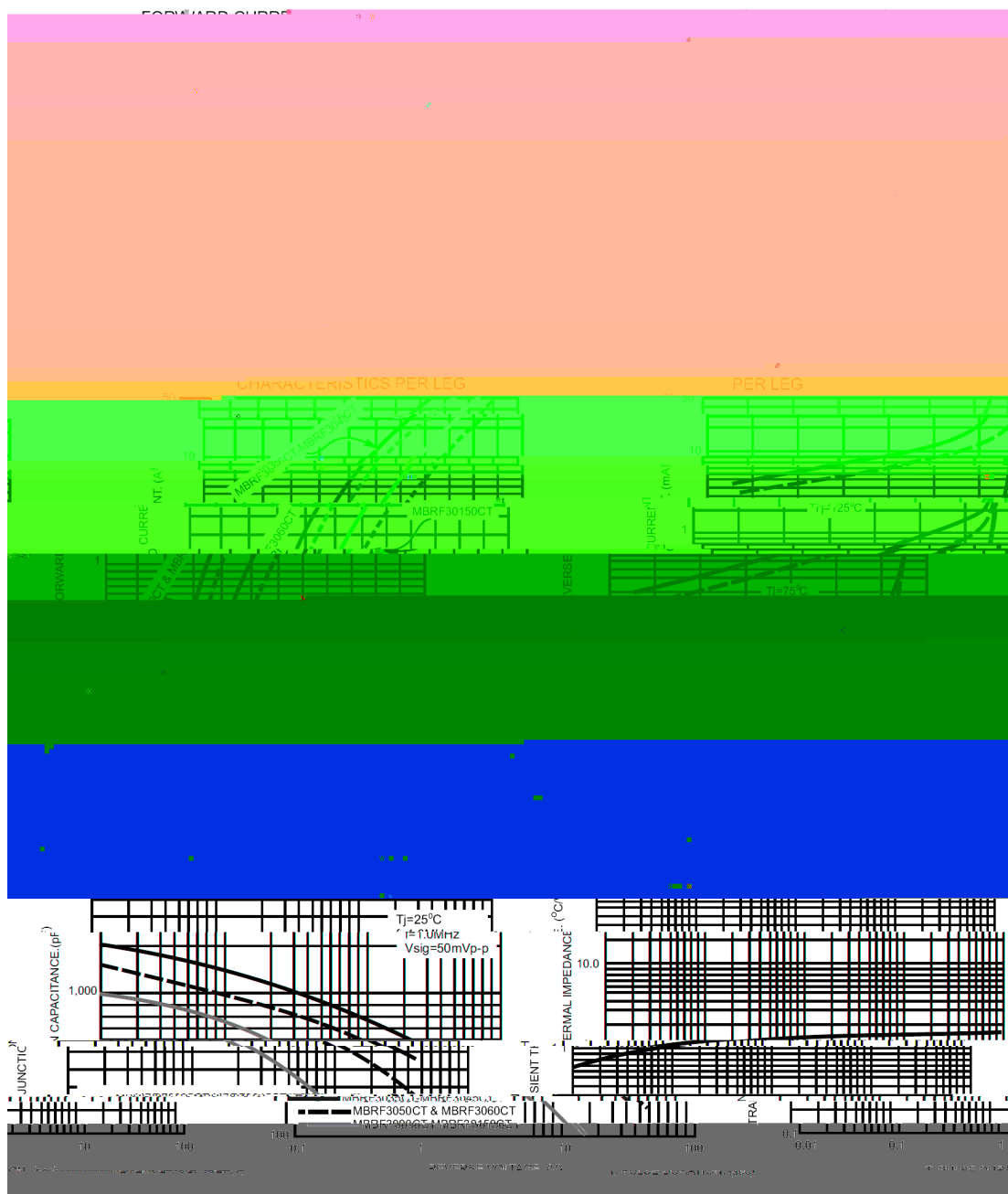
/ h_{FE} Classifications & Marking

See Marking Instructions

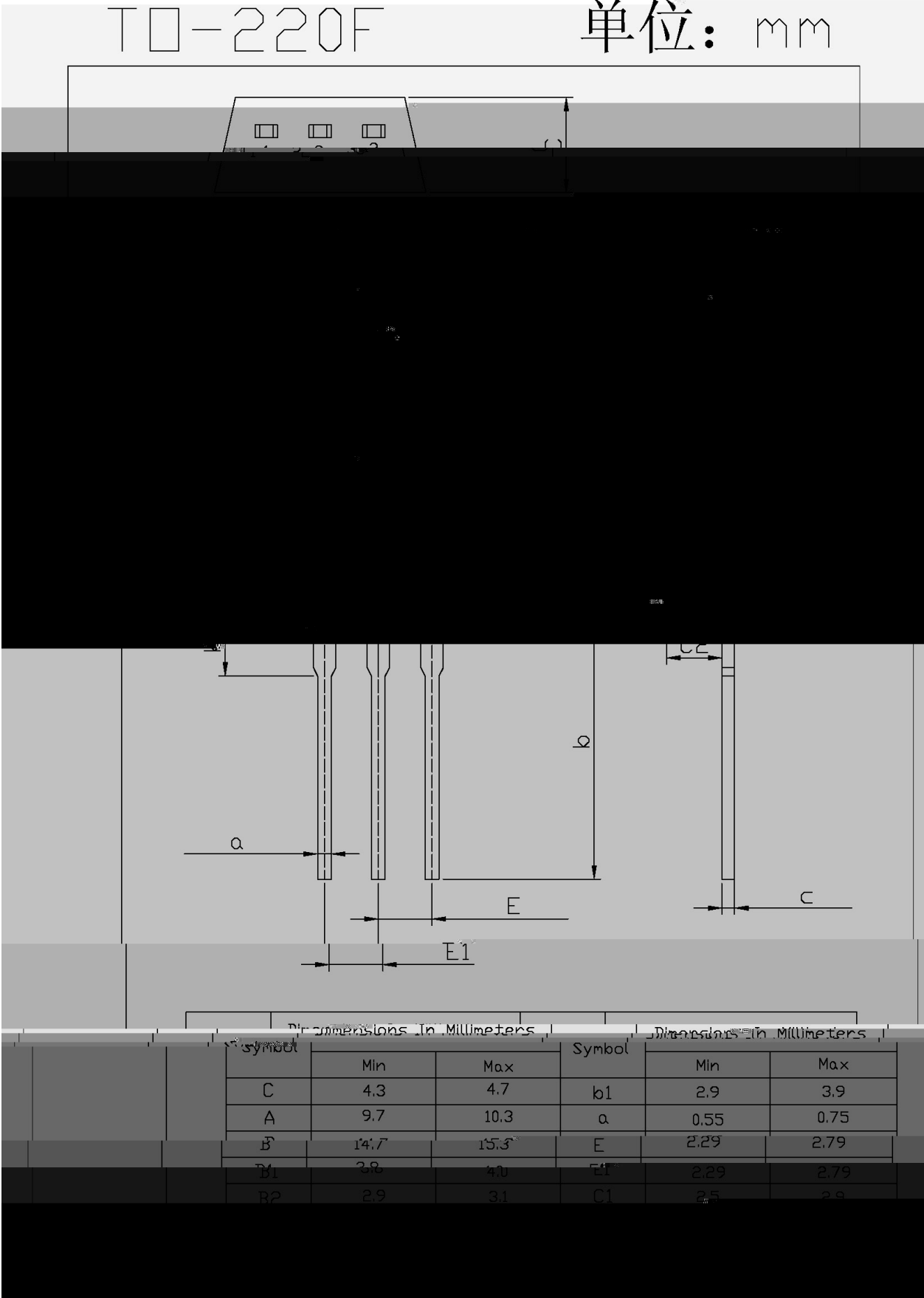
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	60	V
RMS forward current	V_{RMS}	42	V
DC Blocking Voltage	V_{DC}	60	V
Average Forward Current	$I_{F(AV)}$	15	A
Average Forward Current(total device)	$I_{F(AV)}$ total device	30	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Instantaneous Reverse Current	I_{FRM}	30	A
Peak Repetitive Reverse Current	I_{RRM}	0.5	A
Thermal Resistance Junction to Case	R_{JC}	1.0	/W
Junction Temperature Range	T_j	150	
Storage Temperature Range	T_{stg}	-55~150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=15A(T_c=25^\circ C)$			0.75	V
		$I_F=15A(T_c=125^\circ C)$			0.65	V
		$I_F=30A(T_c=25^\circ C)$			0.95	V
		$I_F=30A(T_c=125^\circ C)$			0.85	V
Instantaneous Reverse Current	I_R	$T_c=25$			0.2	mA
		$T_c=125$			15	mA

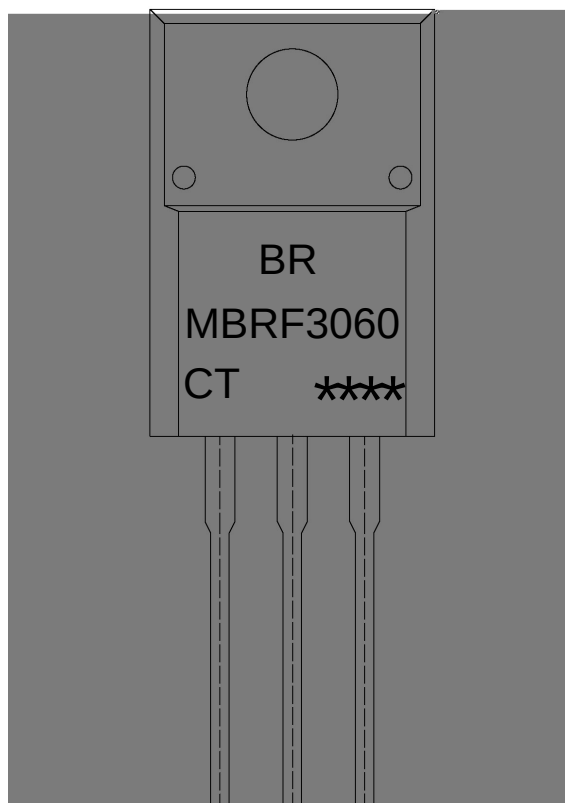
/ **Electrical Characteristic Curve**



/ Package Dimensions



/ Marking Instructions



BR

MBRF3060

CT:

Note:

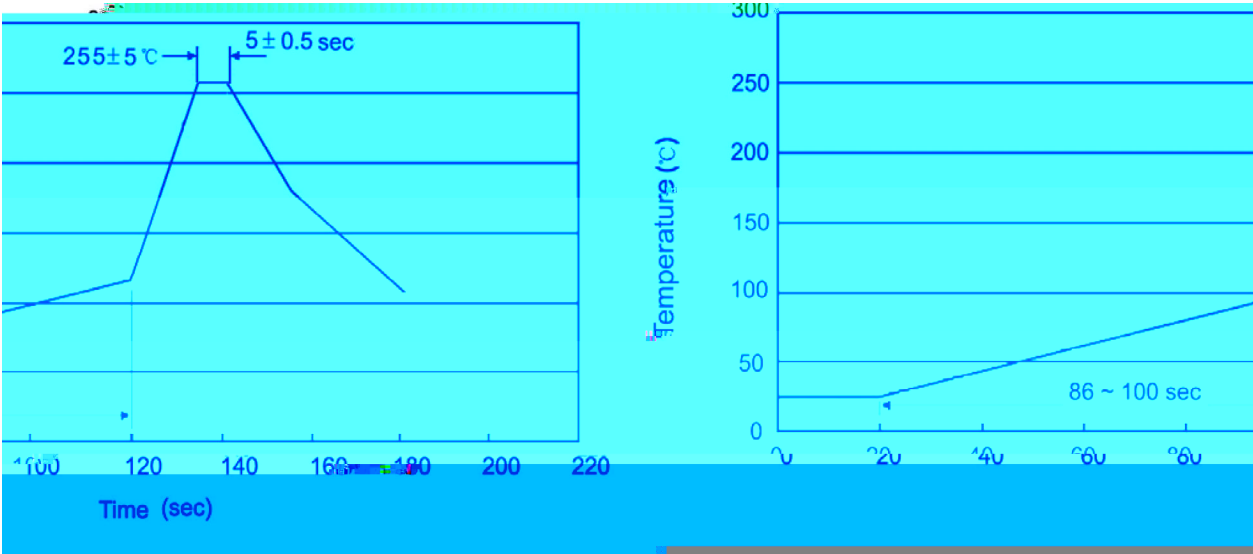
BR: Company Code

MBRF3060: Product Type.

CT: Internal Structure

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

() / Temperature Profile for Dip Soldering(Pb-Free)



1 25 150 60 90sec;

Note:
1.Preheating:25~150