MBRF3060CT

Rev.F Mar.-2016

DATA SHEET

/ Descriptions

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

/ Features

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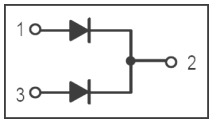
Low power loss,high efficiency.

/ Applications

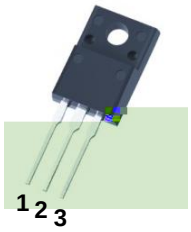
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For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

/ Equivalent Circuit



/ Pinning



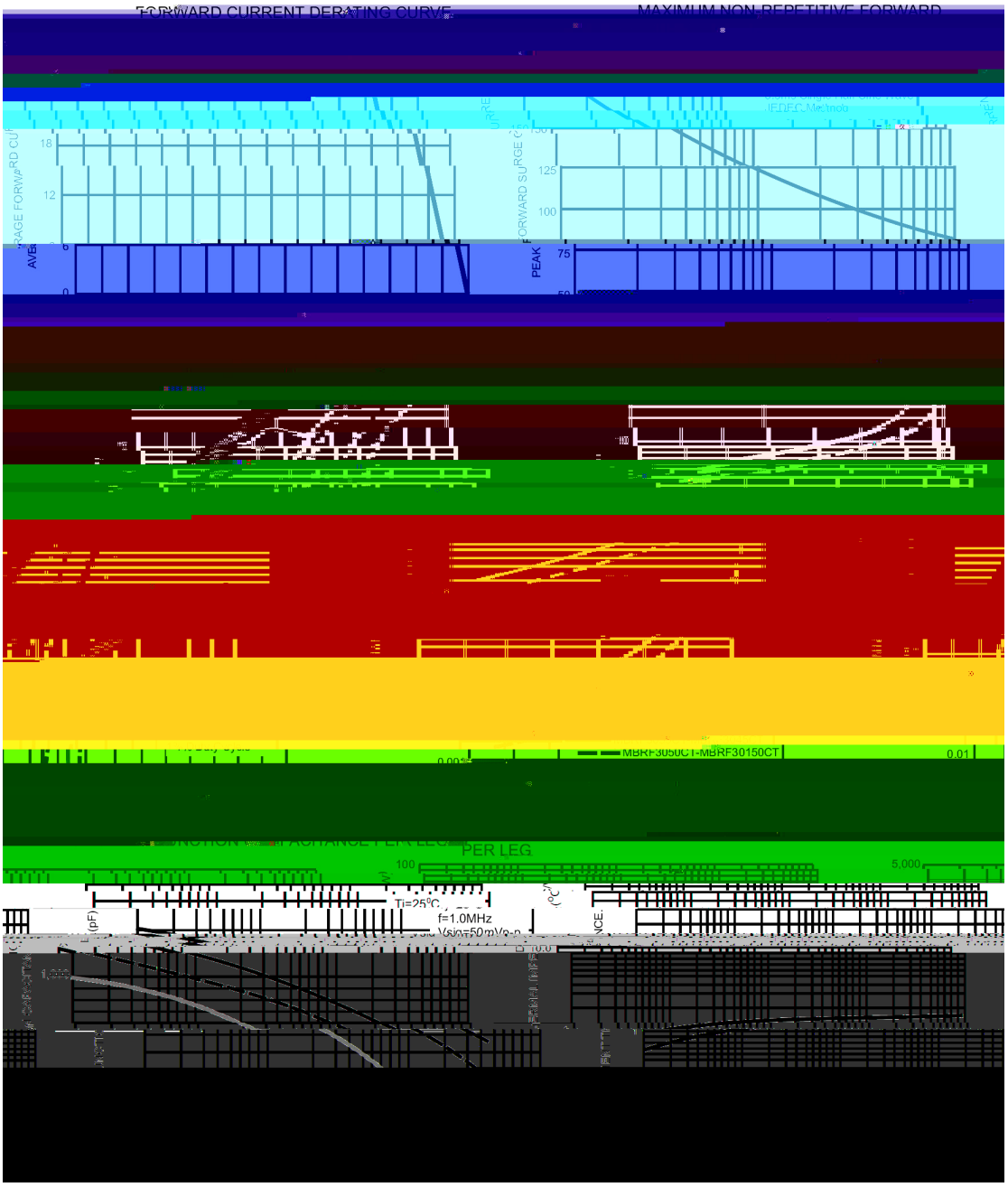
PIN1 χ Anode PIN 2 χ Cathode PIN 3 χ Anode

/ h_{FE} Classifications & Marking

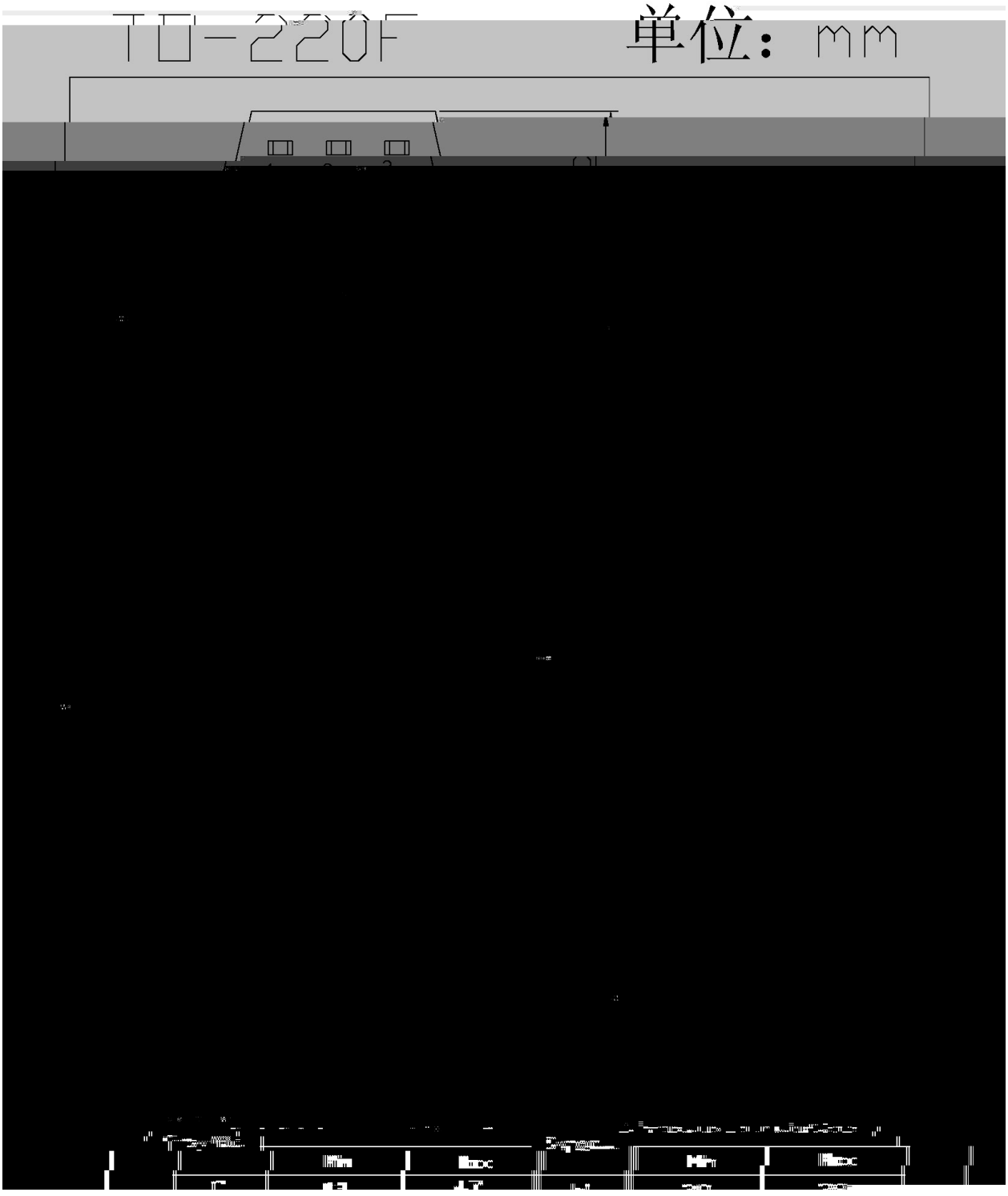
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v ‴Ω Parameter	ϒ N Symbol	‴Ω Ö Rating	D Ч Unit
Peak Repetitive Reverse Voltage	V_{RRM}	60	V
RMS forward current	V_{RMS}	42	V
DC Blocking Voltage	V_{DC}	60	V
Average Forward Current	$I_{F(AV)}$	15	A
Average Forward Current(total device)	$I_{F(AV)}$ 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	$R_{\theta Jc}$	1.0	/W

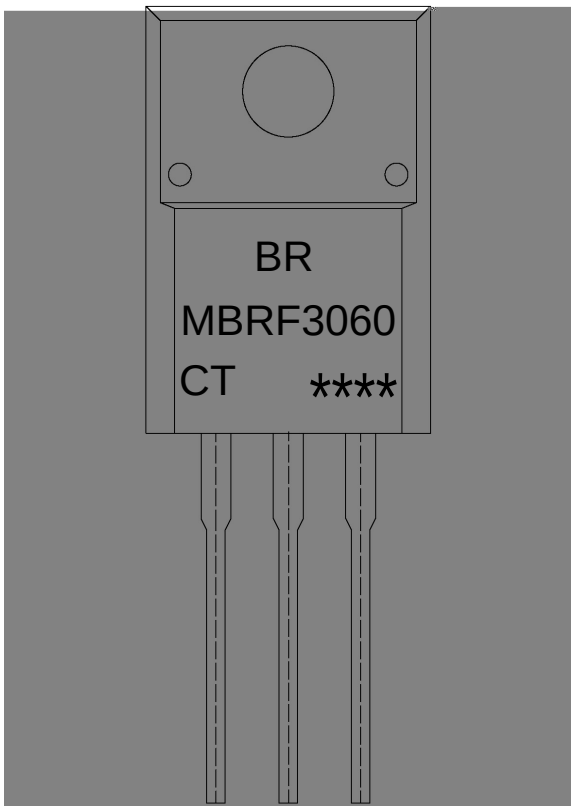
/ Electrical Characteristic Curve



/ Package Dimensions

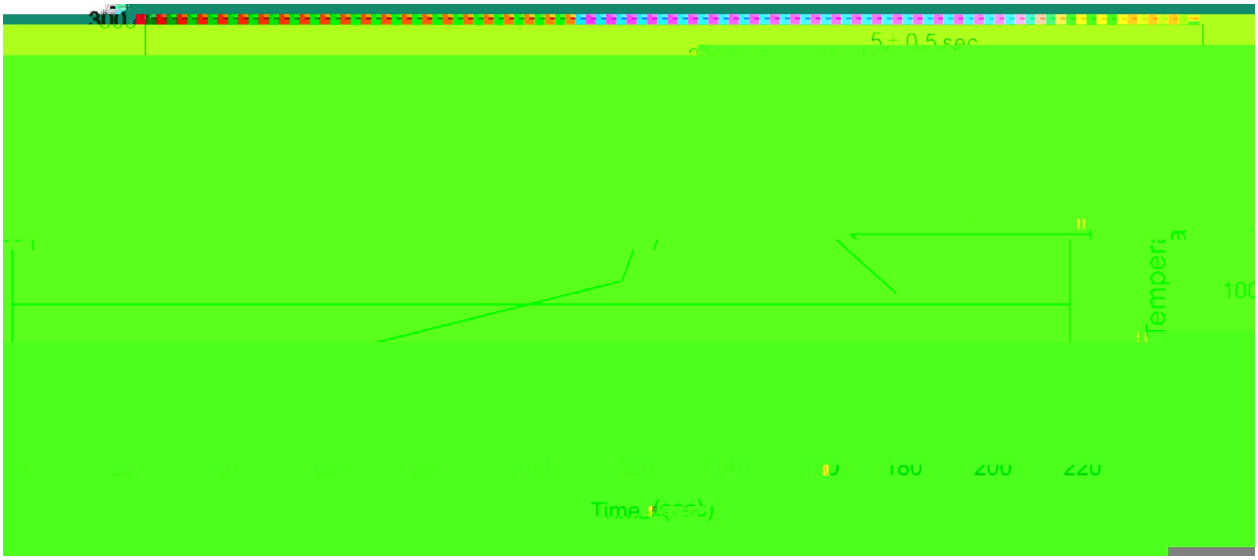


/ Marking Instructions



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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)



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı ˋH ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ł ı ˋH ڑ ˋY ヶ ㎞ 5 ° 0.5sec;

3 ì ˙ ヽ ˛ ɔ ଌ ỷ ㎞ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ł ˋH ڑ χ 10 ° 1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

ˈ Ω ţ ץ Ł / BULK

Package Type	Units					Dimension		(unit mm³)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

˛ ヿ ץ Ł / TUBE

Package Type	Units					Dimension	(unit mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box / ů		