MBRF3060CT

Rev.F Mar.-2016

DATA SHEET

/ Descriptions

WR0553I ą Ṃ Ŀ ≠ g⁀ ‖ ᒣ

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

/ Features

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Low power loss,high efficiency.

/ Applications

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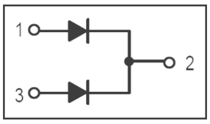
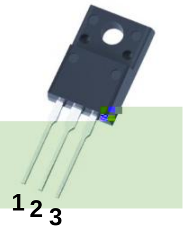
For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

/ Equivalent Circuit



/ Pinning



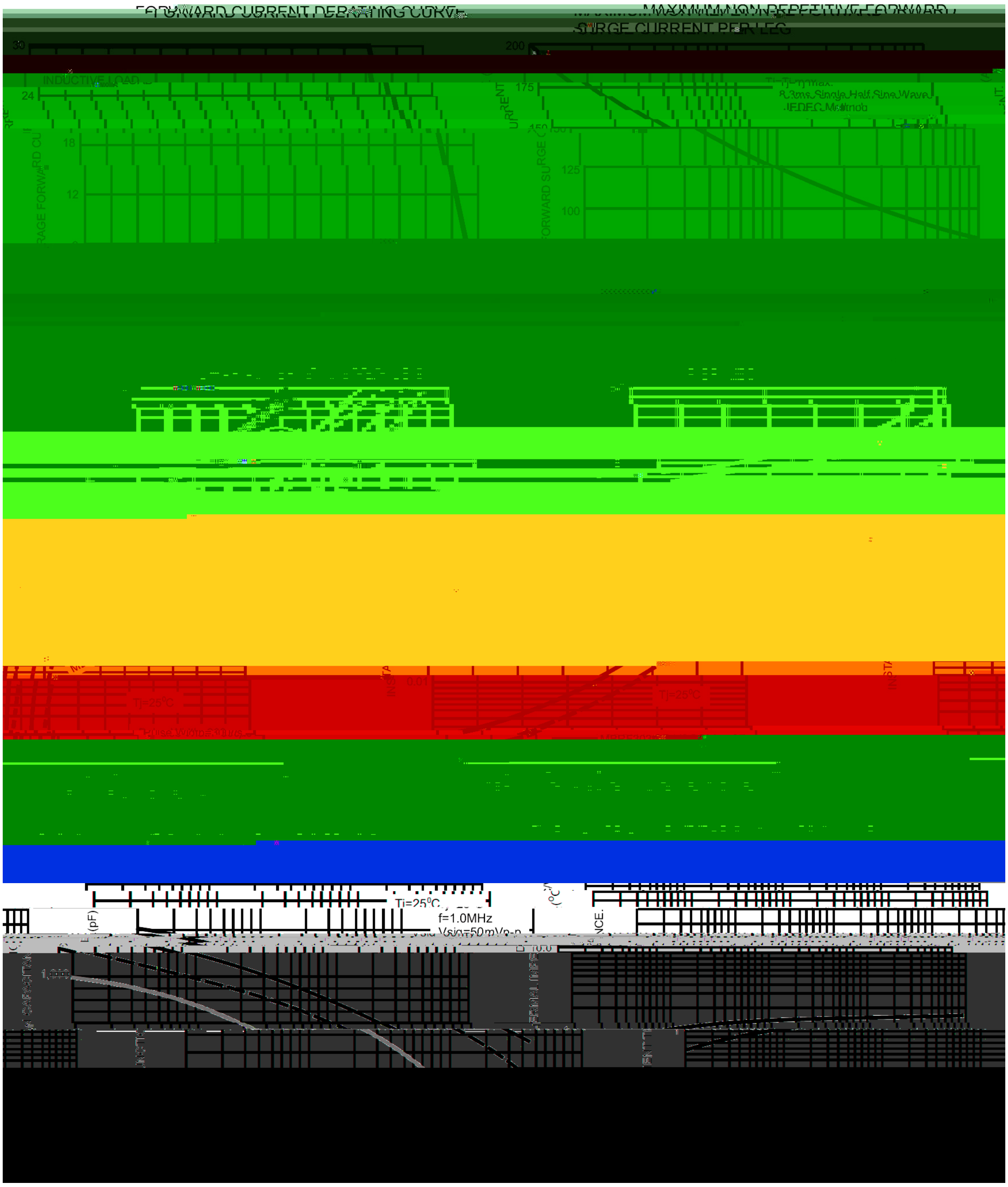
PIN1 χ Anode　PIN 2 χ Cathode　PIN 3 χ Anode

/ h_{FE} Classifications & Marking

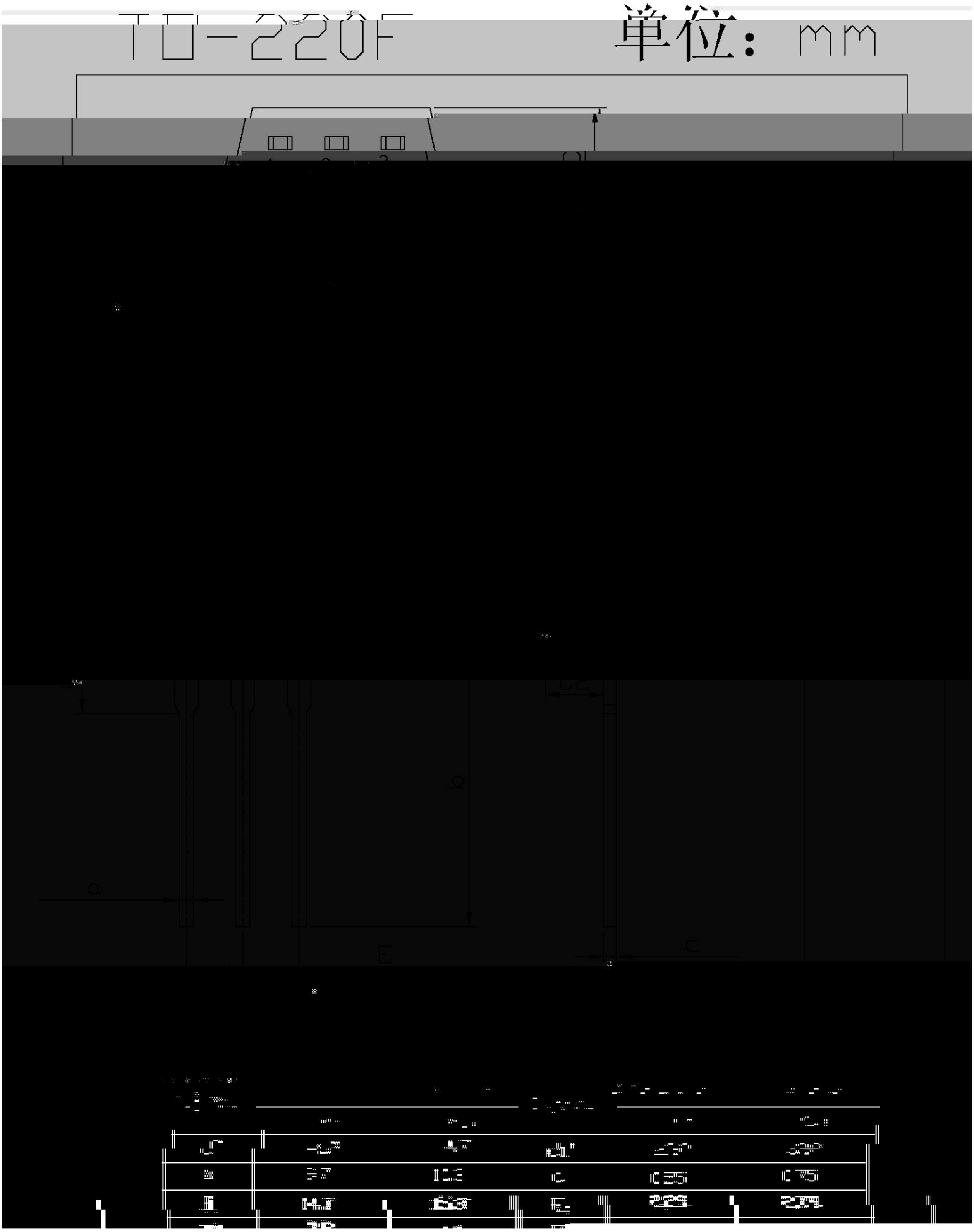
ὃ м ᒋ ب ˝ See Marking Instructions

v ῼ Parameter	ነ ᴺ Symbol	ῼӨ Rating	D Ӈ 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

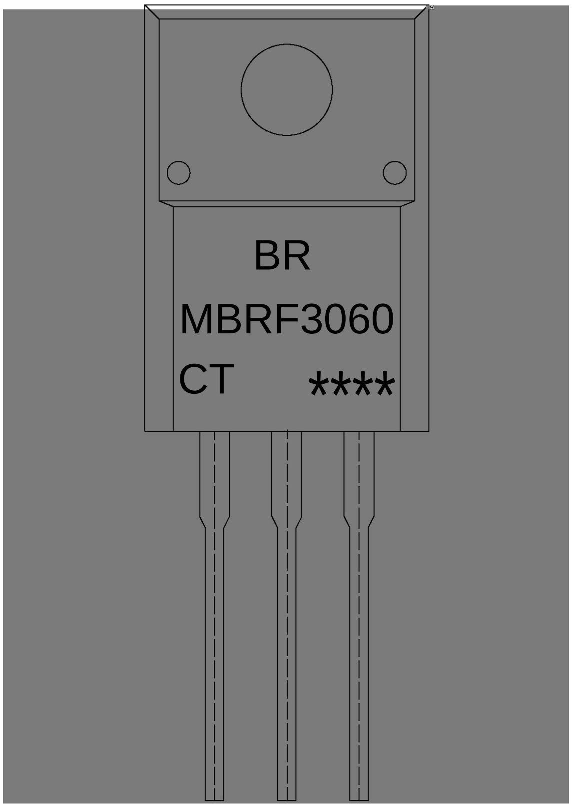
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



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P EU I 6393 χ	ҥѫ ғ β ʒ ᴺ
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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	Note:
1　ỉ ♬ □ ỷ 25 Ḱ 150 ɫ　ι `H ڙ 60 Ḱ 90sec;	1.Preheating:25~150 ɫ , Time:60~90sec.
2　Ś Ӫ □ ỷ 255 ° 5 ɫ　ι `H ڙ ʿY ʎ ꭛ 5 ° 0.5sec;	2.Peak Temp.:255 ° 5 ɫ , Duration:5 ° 0.5sec.
3　ì ˙　ٲ ˛　ɔ ﻫ ỷ ꭛ 2 Ḱ 10 ɫ /sec.	3. Cooling Speed: 2~10 ɫ /sec.

/　Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ɫ　`H ڙ χ 10 ° 1 sec.　Temp.:270±5　Time:10±1 sec

/　Packaging SPEC.

῝Ω ҭ γ Ŀ　/　BULK

Package Type	Units					Dimension (unit　mm^3)		
	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

˛ˇ ˥ γ Ŀ　/　TUBE

Package Type	Units					Dimension (unit　mm^3)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box / ů	