

# MBR2045CT

Rev.G Oct.-2018

## / Descriptions

TO-220

TO-220 Plastic package Schottky diode .

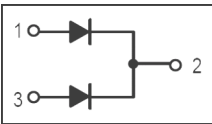
## / Features

Low forward voltage drop,low power losses,High efficiency operation.

## / Applications

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

## / Equivalent Circuit



## / Pinning



PIN1 Anode

PIN 2 Cathode

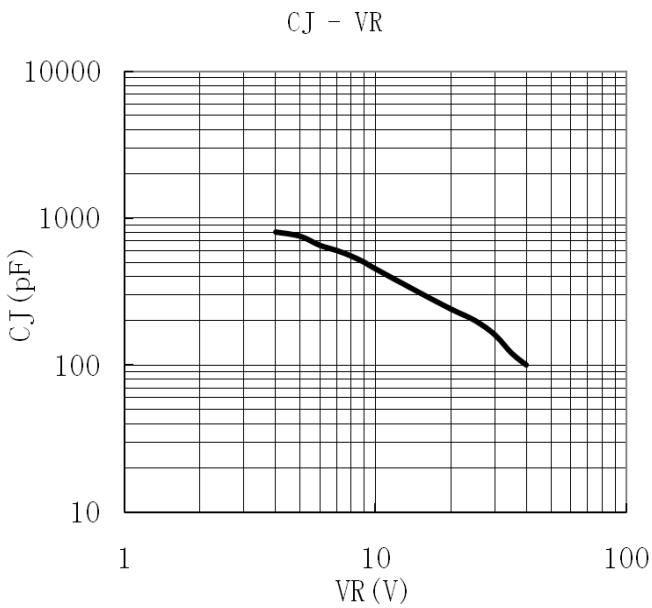
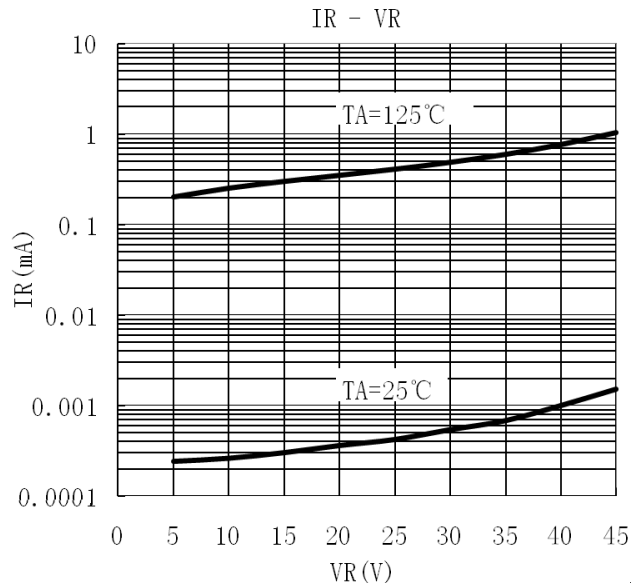
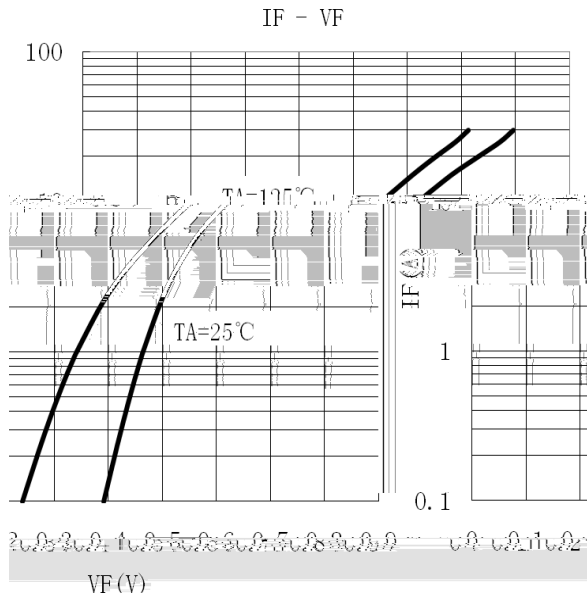
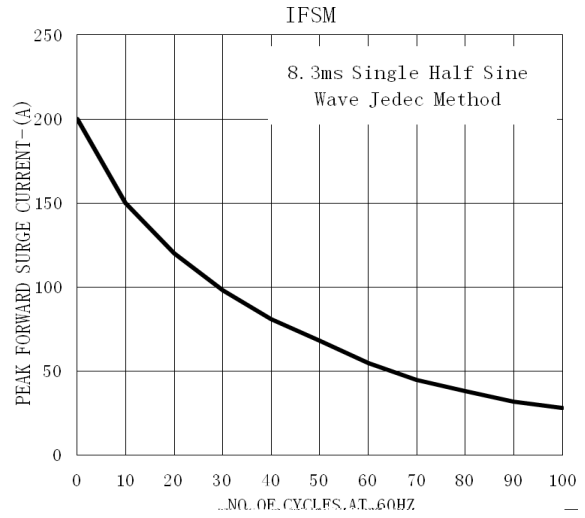
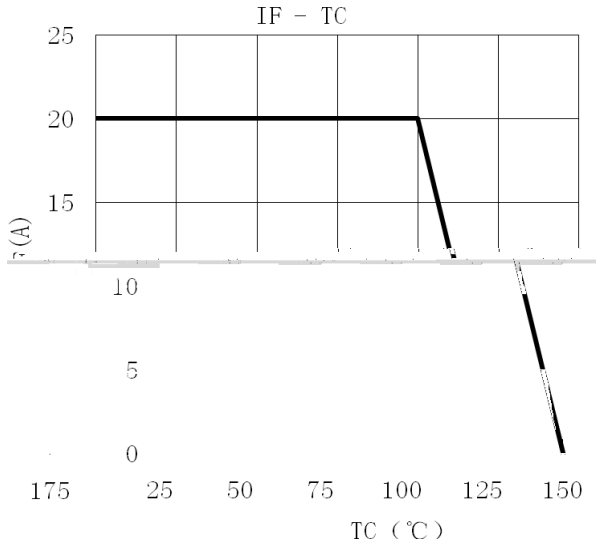
PIN 3 Anode

## / h<sub>FE</sub> Classifications & Marking

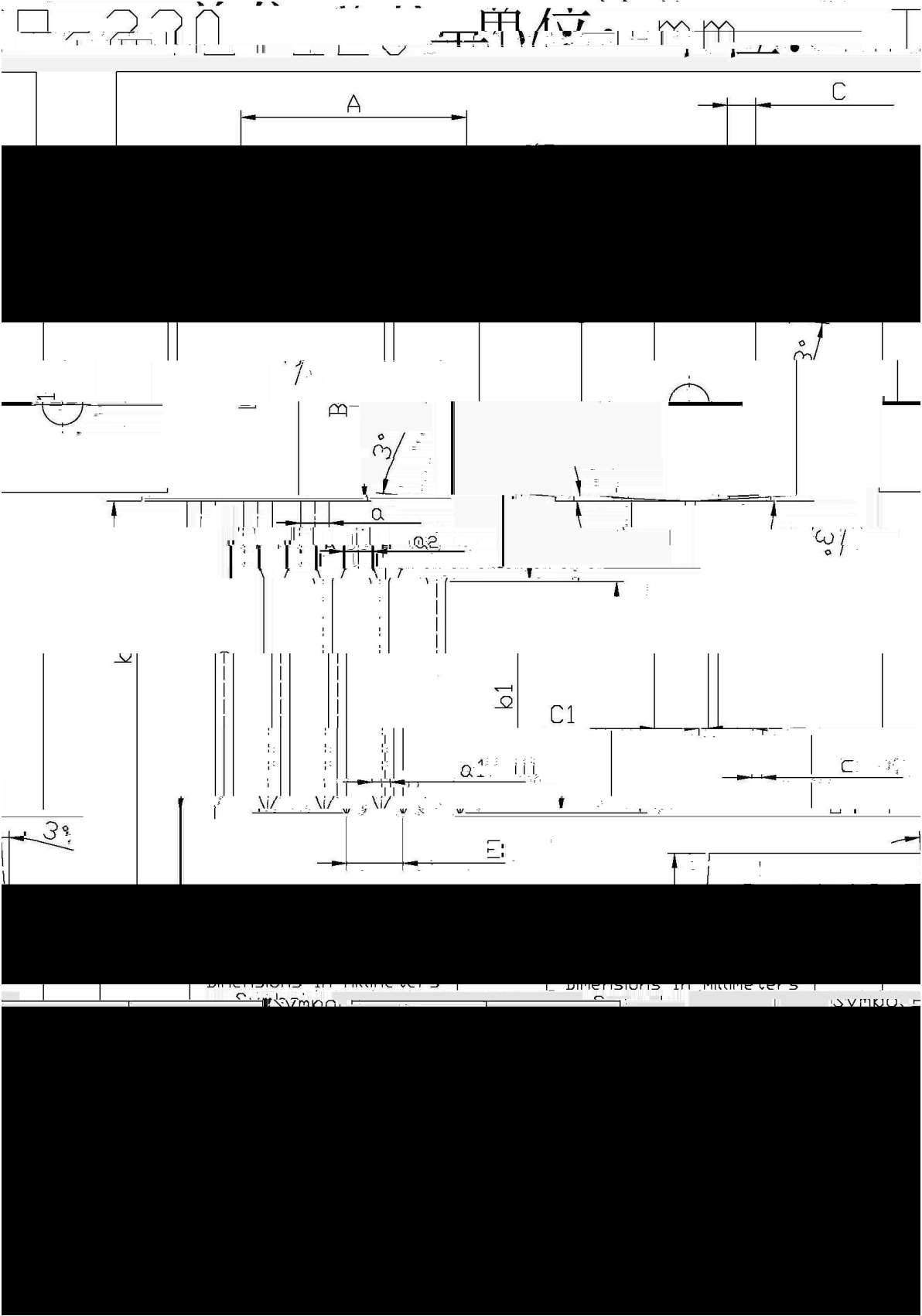
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$		
Working Peak Reverse Voltage			
DC Reverse Voltage			

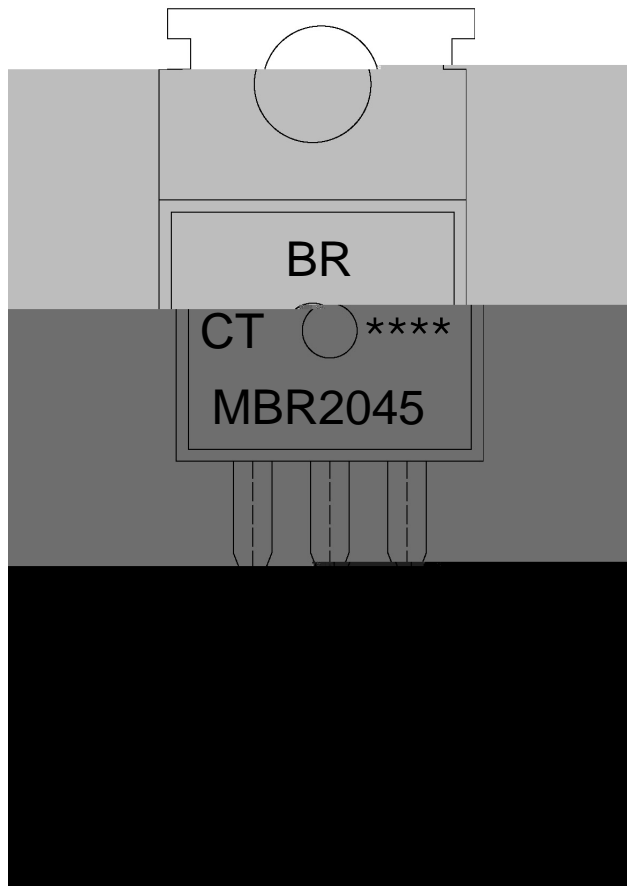
**/ Electrical Characteristic Curve**



/ Package Dimensions



**/ Marking Instructions**



BR

MBR2045

CT:

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Note:

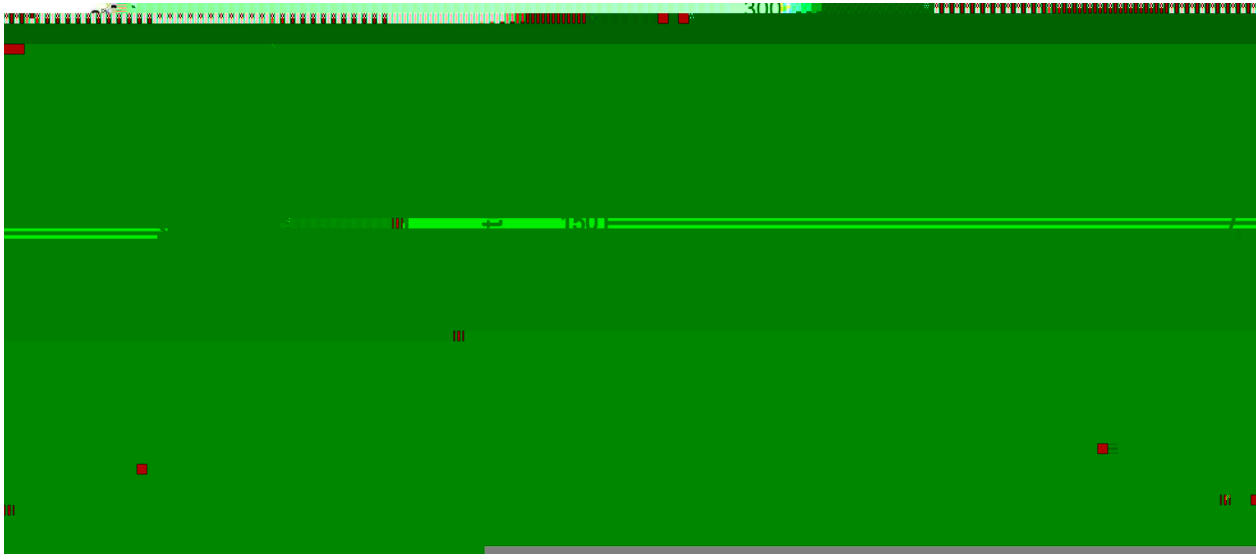
BR:                   Company Code

MBR2045:           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 , Time:60~90sec. |
| 2 | 255±5 |     | 5±0.5sec; |        | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |                                      |
| 3 |       | 2   | 10        | /sec.  | 3. Cooling Speed: 2~10 /sec.            |                                      |

**/ Resistance to Soldering Heat Test Conditions**

270±5                      10±1 sec.                      Temp.:270±5                      Time:10±1 sec

**/ Packaging SPEC.**

/ BULK

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	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