

/ Descriptions

TO-220

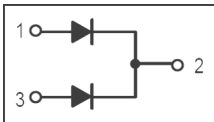
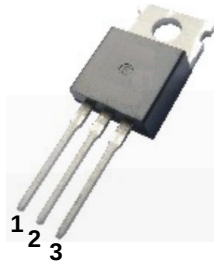
TO-220 Plastic package Schottky diode .

/ 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_{FE} Classifications & Marking

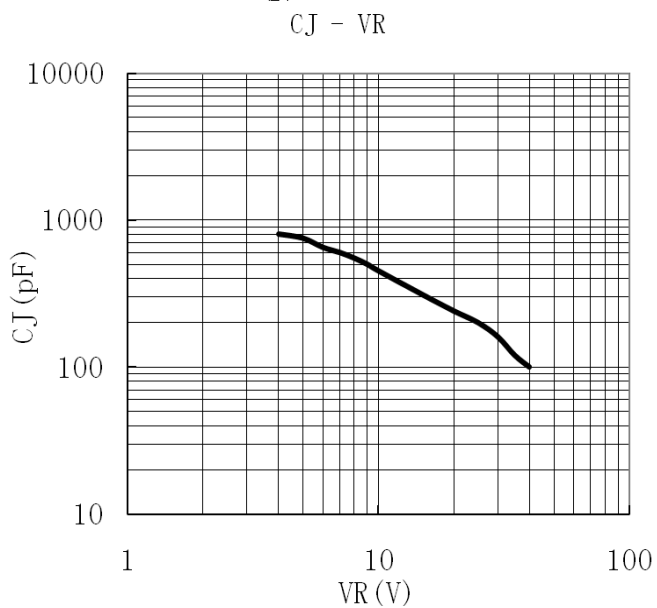
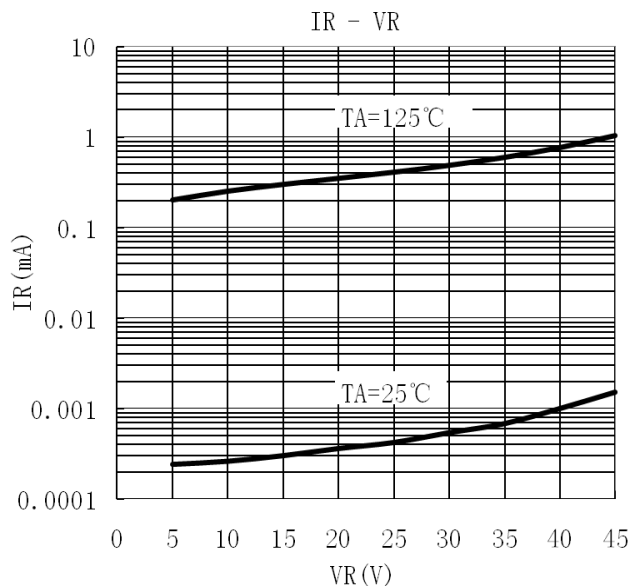
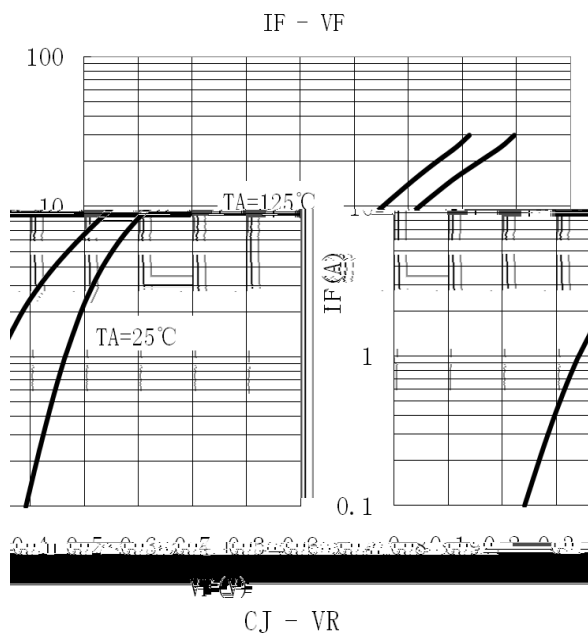
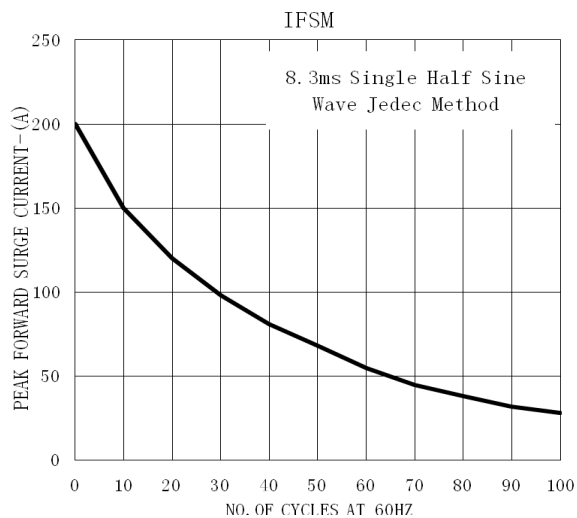
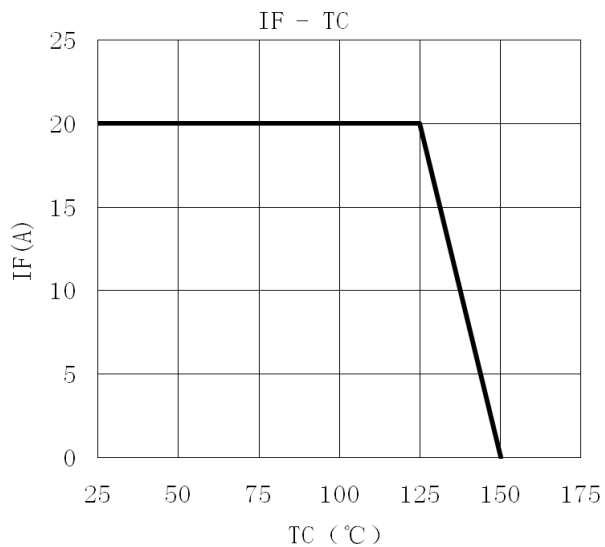
See Marking Instructions.

MBR2045CT

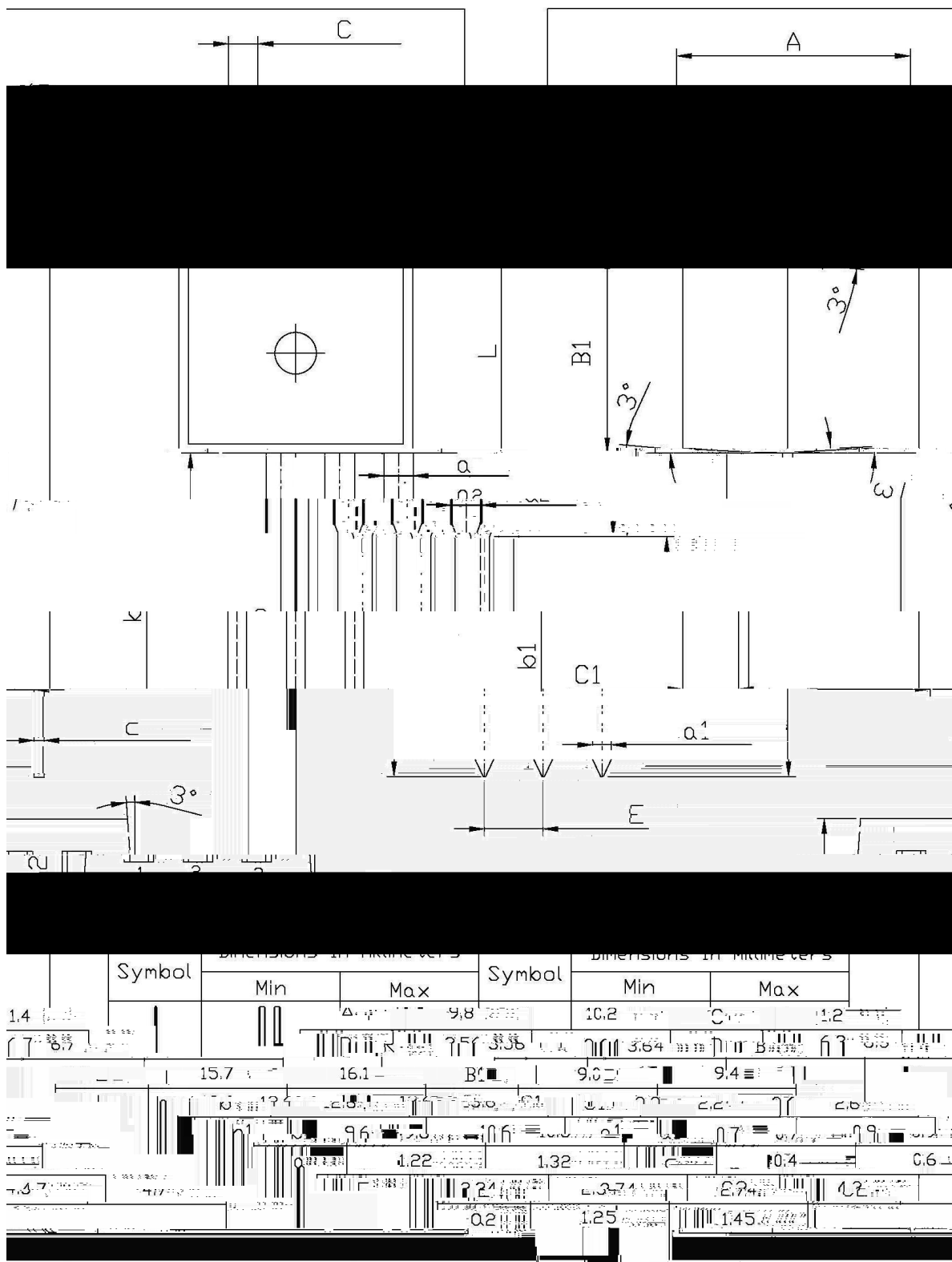
Rev.G Oct.-2018

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

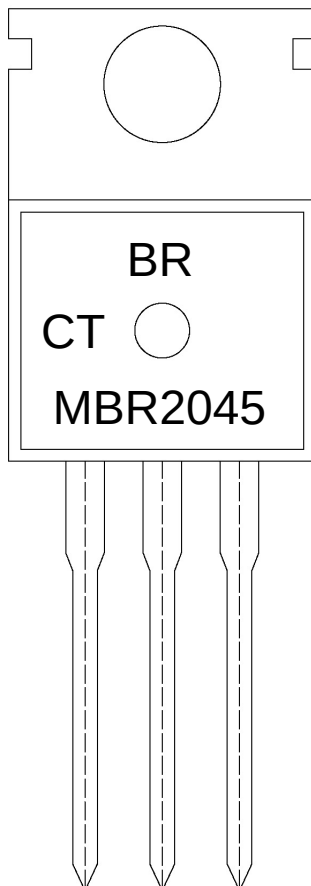
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

MBR2045

CT:

Note:

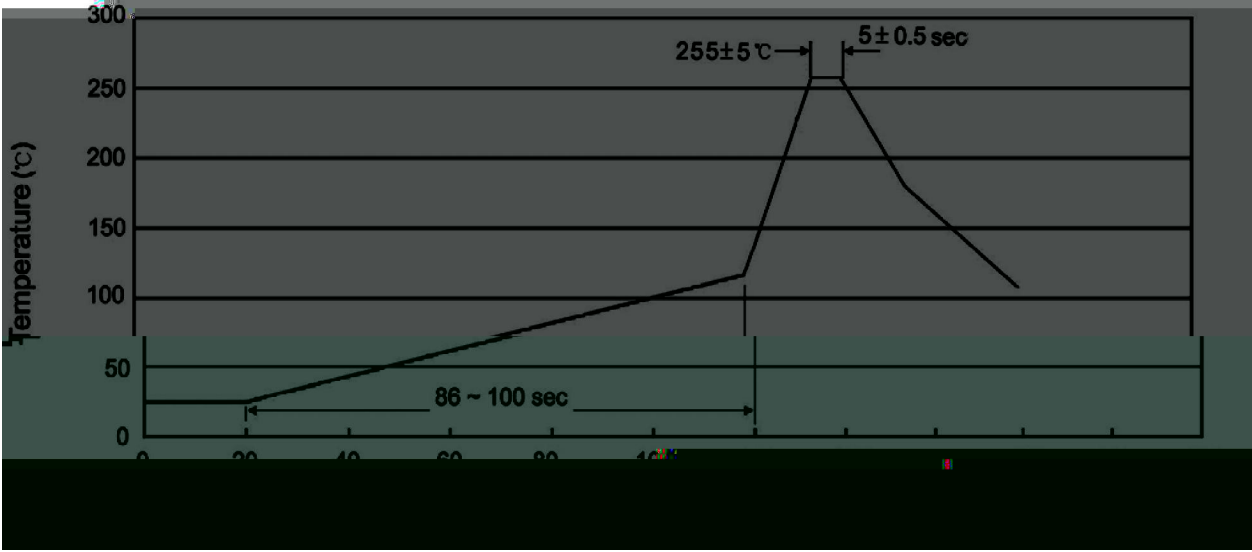
BR: Company Code

MBR2045: Product Type.

CT: Internal Structure

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

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



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
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 ³)