

/ Descriptions

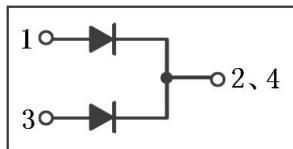
TO-263 Plastic package Schottky diode .

/ 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.

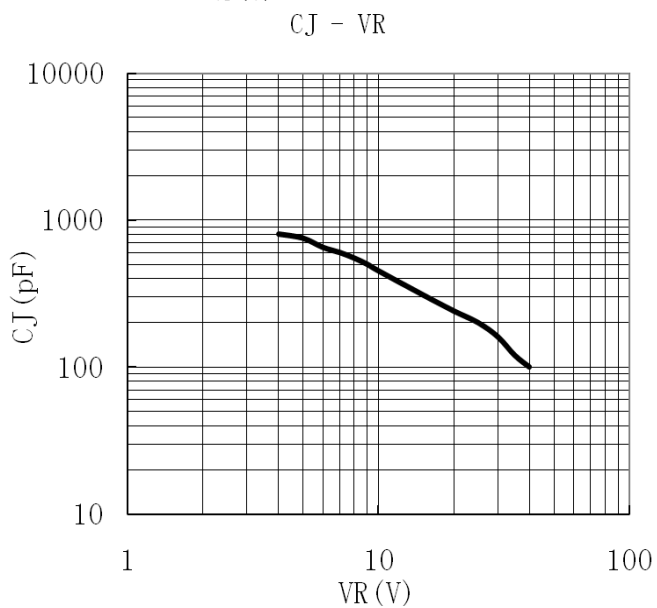
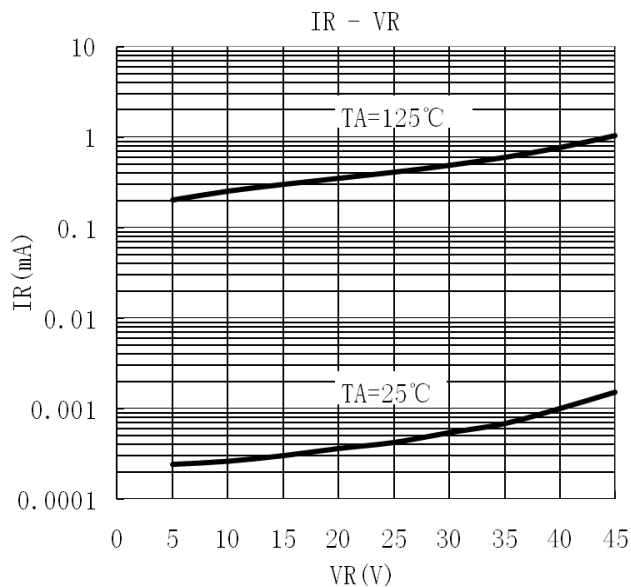
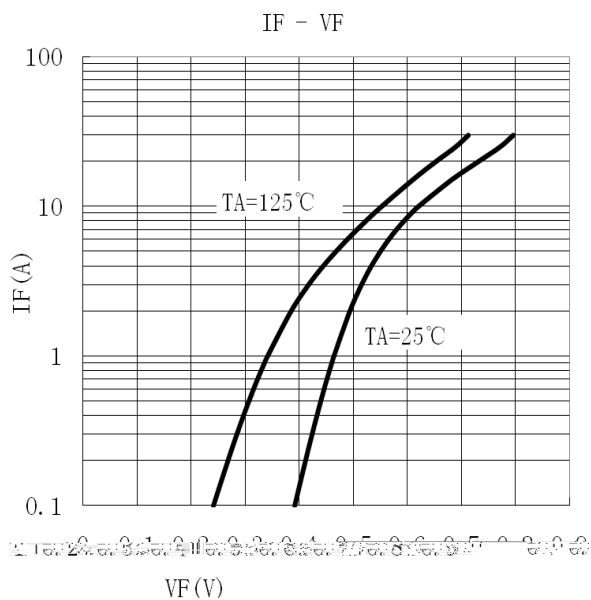
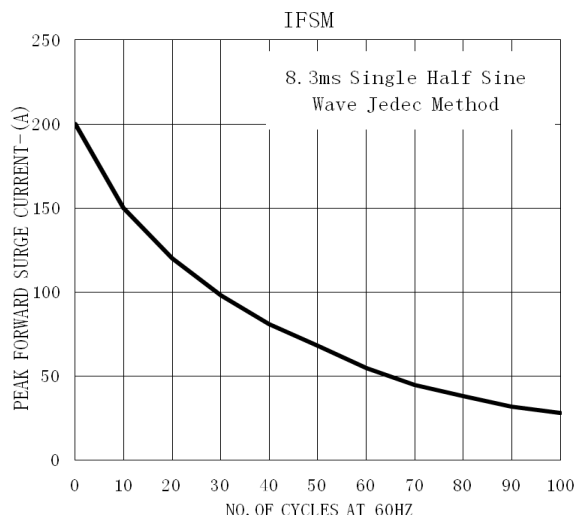
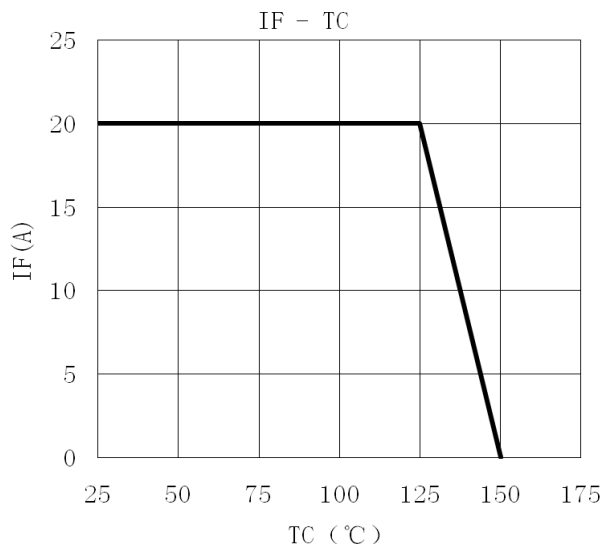
/ Equivalent Circuit**/ Pinning**

PIN1 Anode PIN 2 4 Cathode PIN 3 Anode

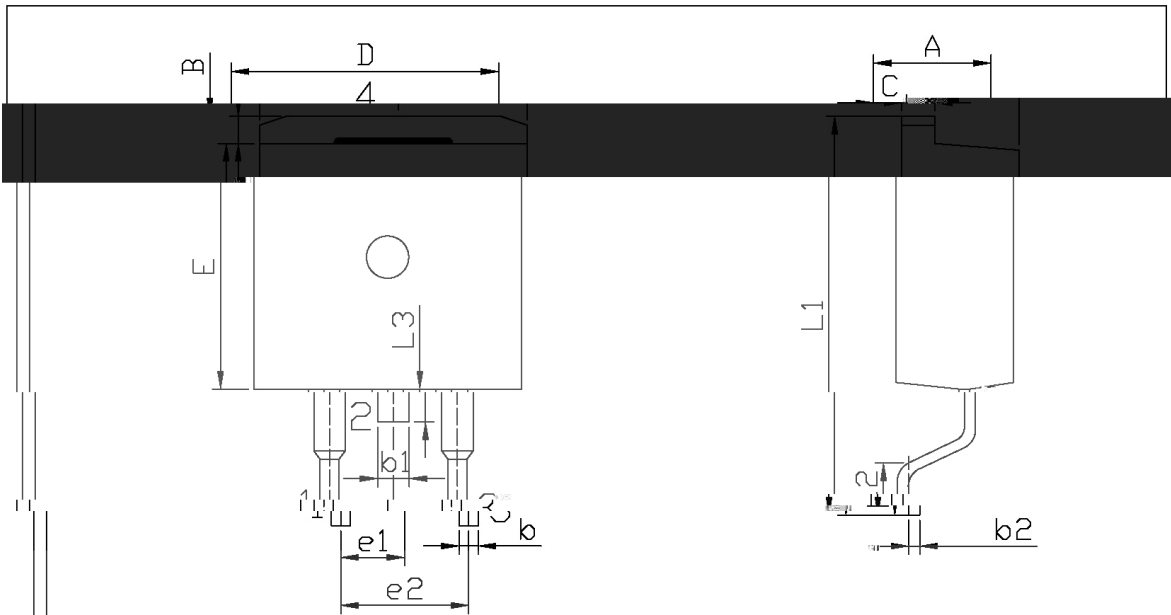
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

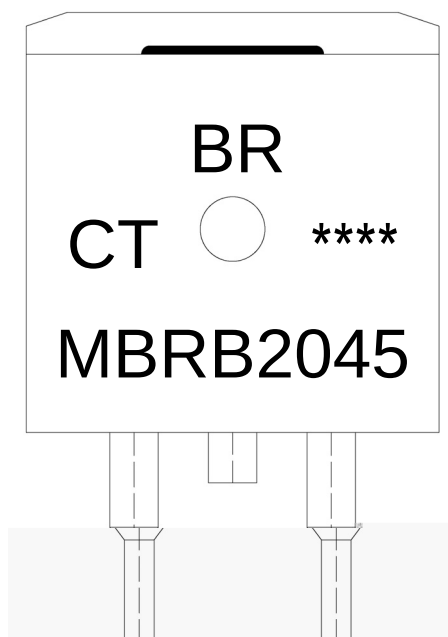


I Package Dimensions



单位: mm						
Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters		
	Min	Max		Min	Max	
A	4.30	4.70	E	9.00	9.40	
B	1.00	1.40	e1	2.34	2.74	

/ Marking Instructions



BR

MBRB2045

CT

Note:

BR:

Company Code

MBRB2045:

Product Type.

CT:

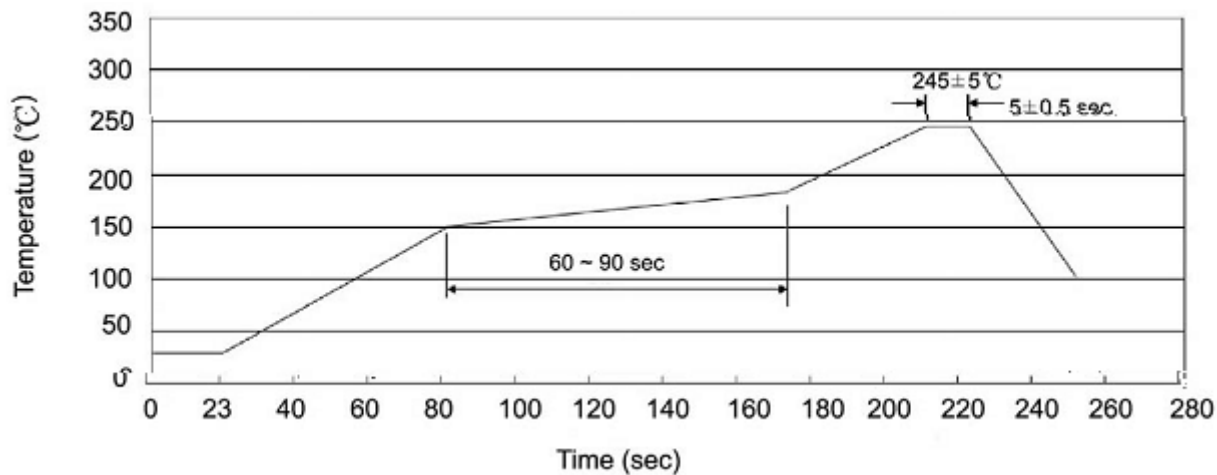
Internal Structure

****:

Lot No. Code, code change with Lot No.



() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-----|-----|----|----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245 | 5 | 5 | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-263	800	1	800	5	4,000	13 ×24	360×360×50	385×257×392

/ TUBE

Package Type 封装形式	Units 包装数量				Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box				