

/ Descriptions

TO-220 Plastic Package Schottky Diode.

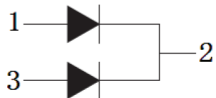
/ Features

Low power loss, high efficiency High Operating Junction Temperature Guard ring for overvoltage protection High reliability RoHS product

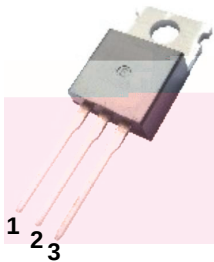
/ Applications

High frequency switch power supply Free wheeling diodes polarity protection applications

/ Equivalent Circuit



/ Pinning



PIN1 Anode PIN 2 Cathode PIN 3 Anode

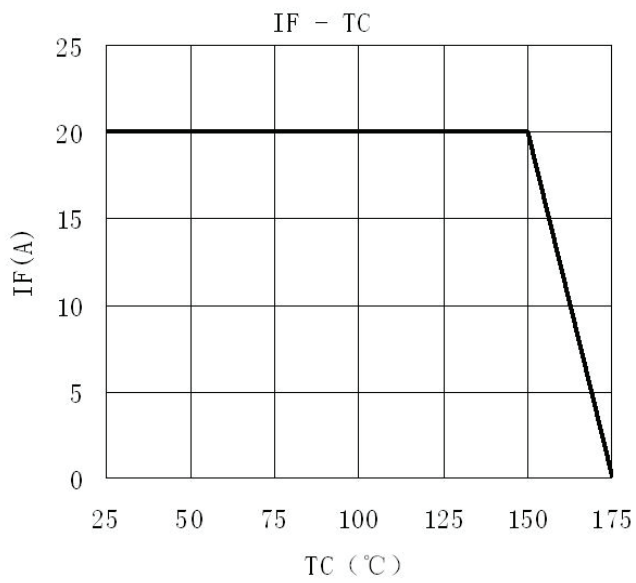
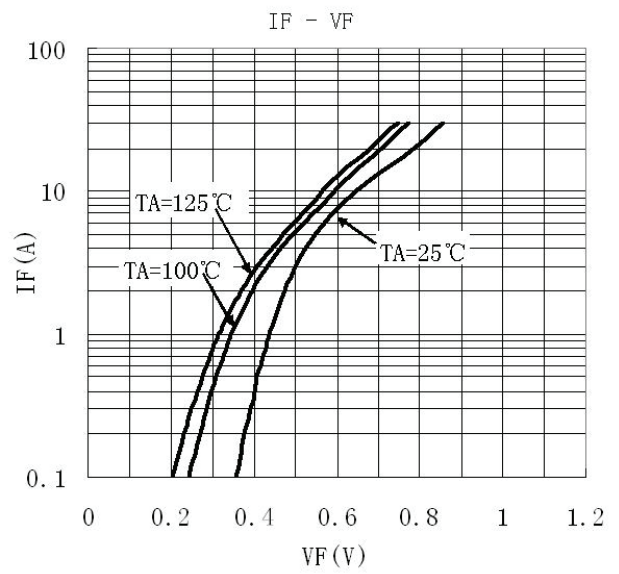
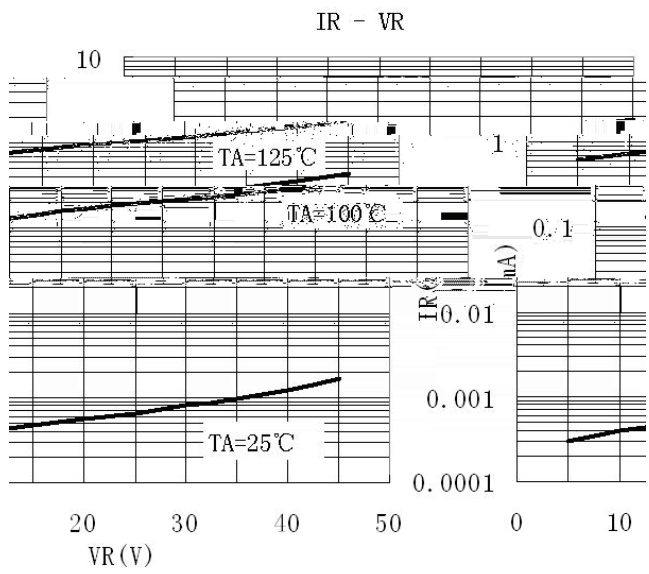
/ h_{FE} Classifications & Marking

See Marking Instructions

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	45	V
DC Blocking Voltage	V_{DC}	45	V
Average Rectified Forward Current $T_C=150$	$I_{F(AV)}$	2 10	A
Non Repetitive Peak Surge Current	I_{FSM}	150	A
Maximum Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.7	/W
Maximum junction temperature	T_j	175	
Storage Temperature Range	T_{stg}	-40 150	

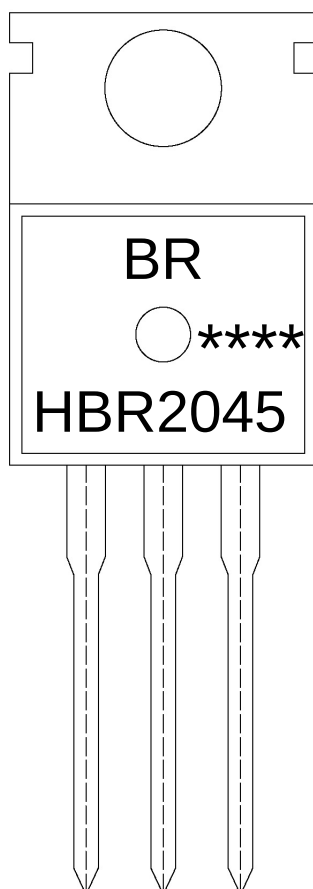
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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/ Electrical Characteristic Curve



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/ Marking Instructions



BR

Note:

BR:

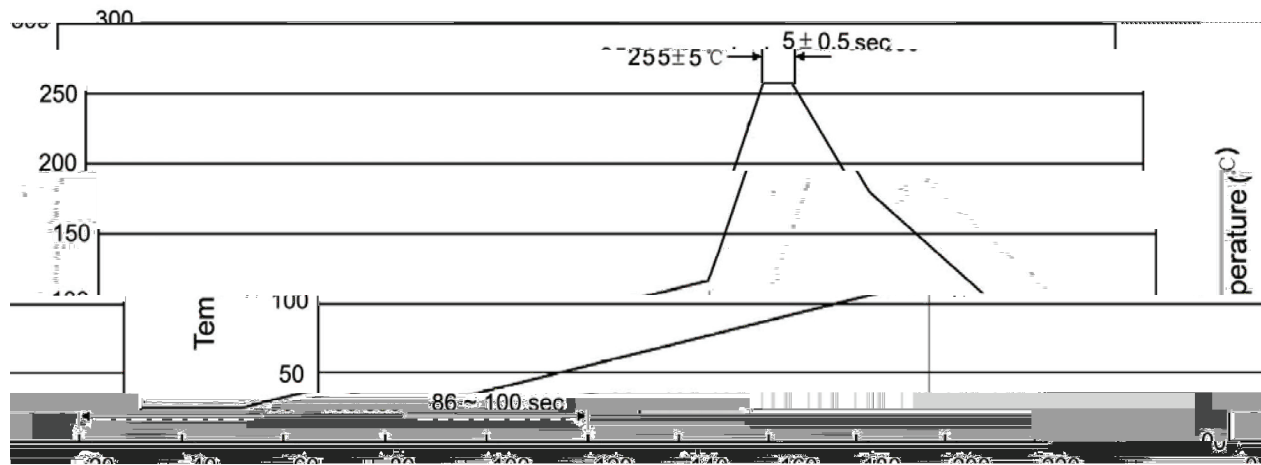
Company Code

Product Type.

****:

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 封装形式	Units 包装数量		Dimension 包装尺寸 (unit: mm ³)
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	