

/ Descriptions

TO-220 NPN Silicon NPN transistor in a TO-220 Plastic Package.

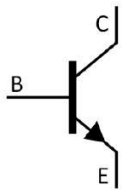
/ Features

Low collector-to-emitter saturation voltage.

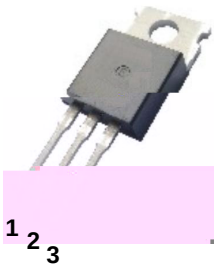
/ Applications

Humidifier, DC-DC converter, and general purpose.

/ Equivalent Circuit



/ Pinning

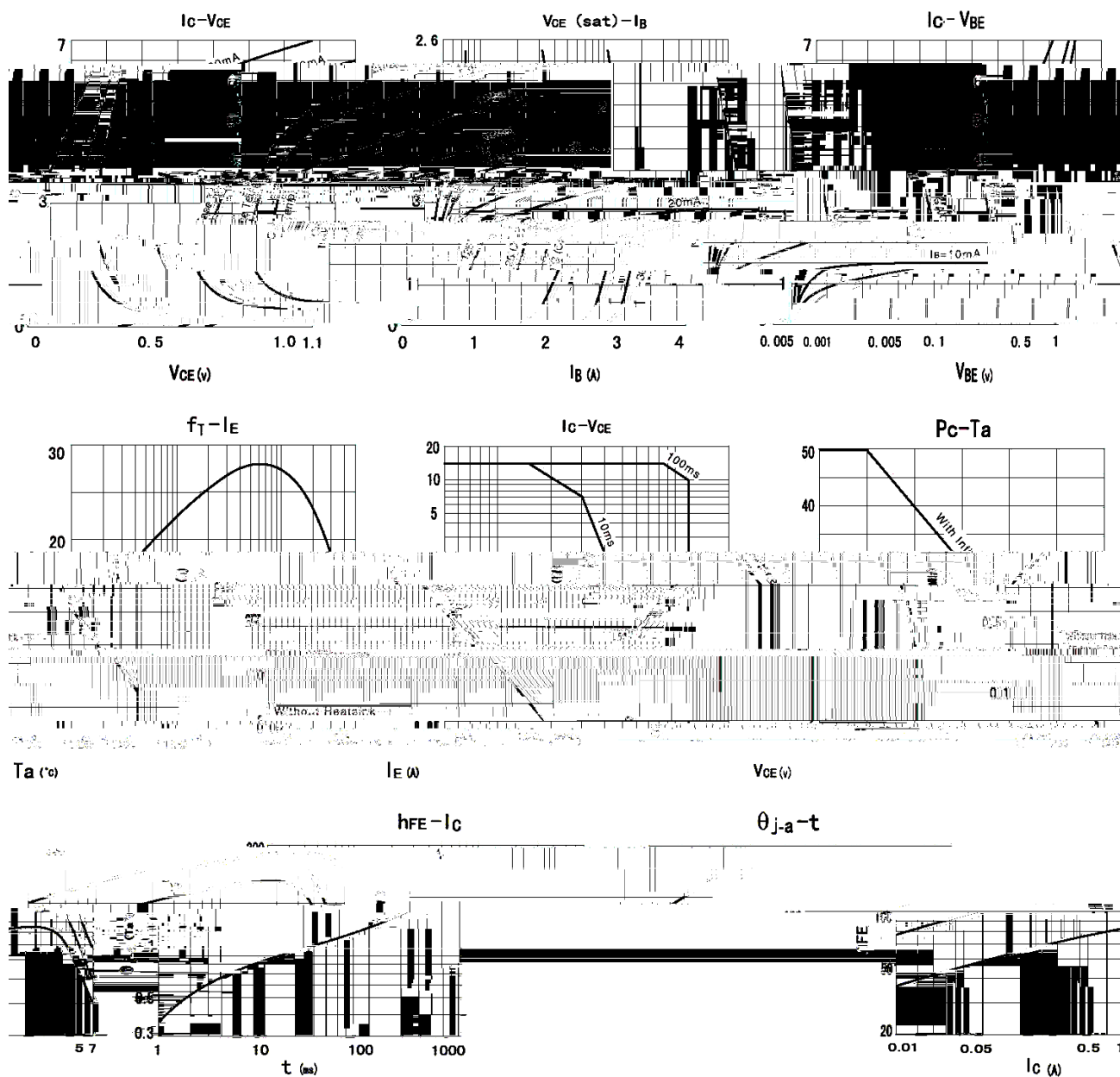


PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

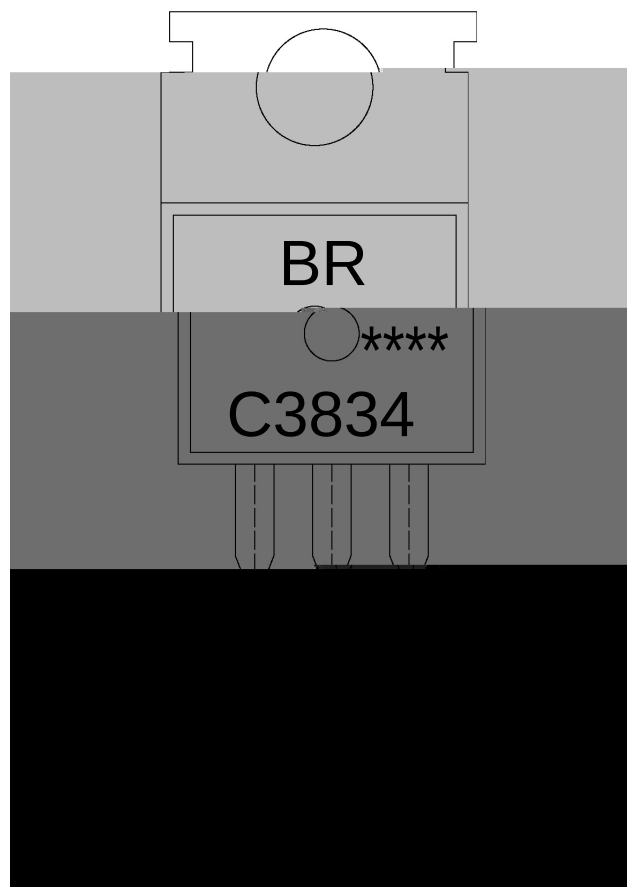
Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

C3834

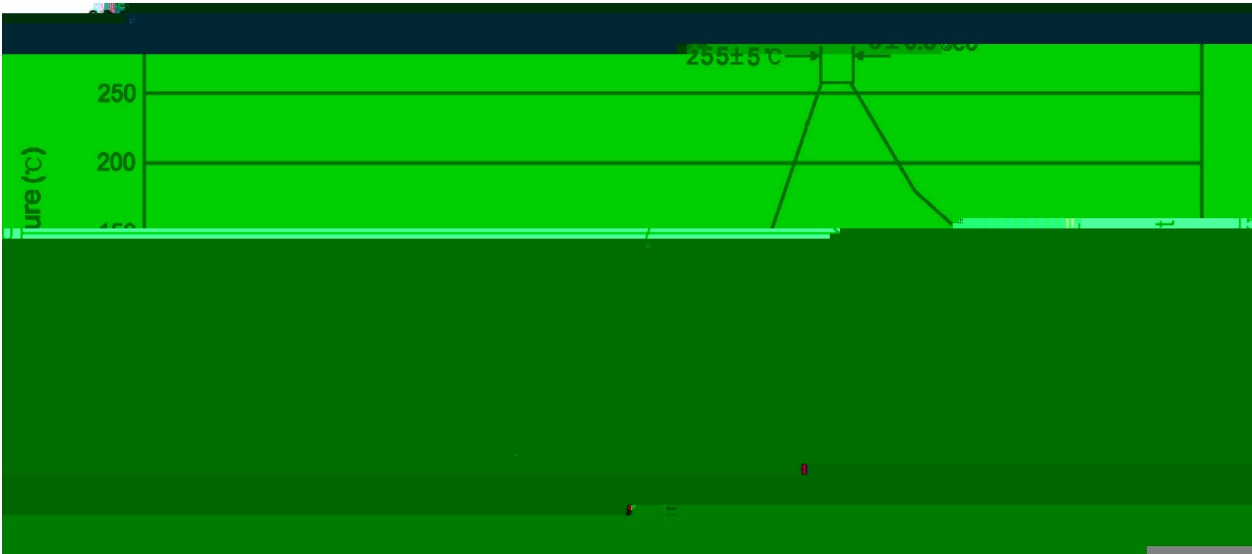
Note:

BR: Company Code

C3834: 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.

/ Resistance to Soldering Heat Test Conditions

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec
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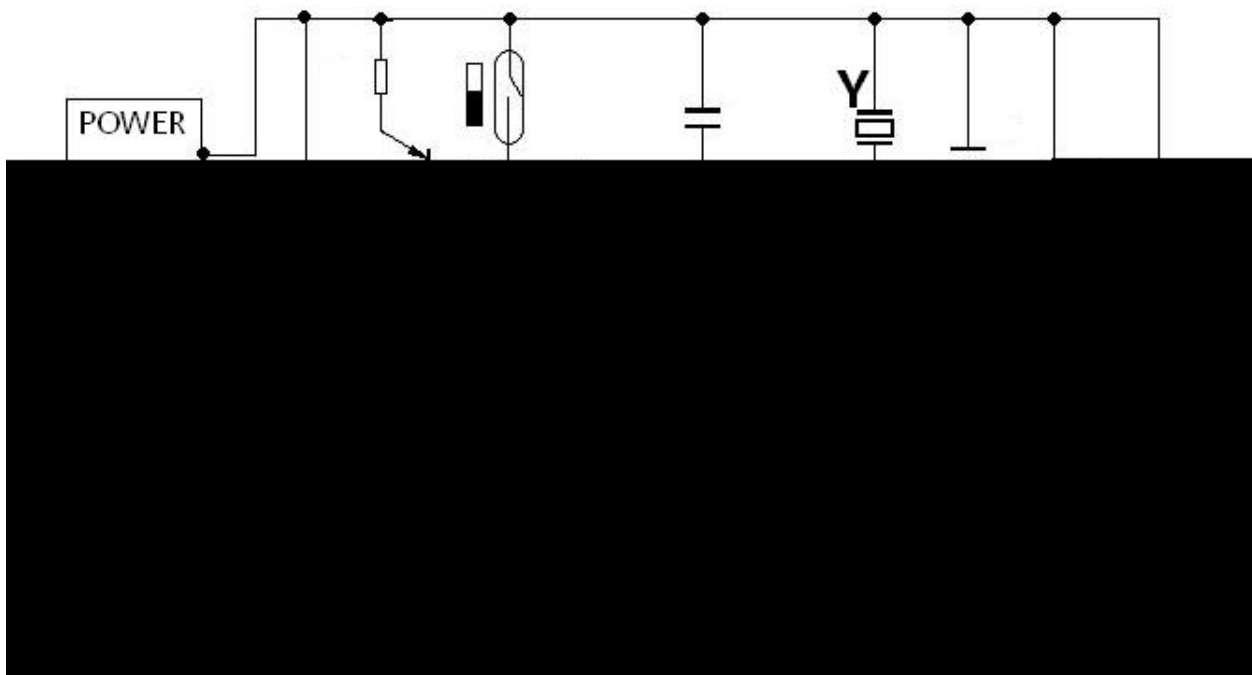
/ Packaging SPEC.

/ BULK

Package Type	Units		Dimension	(unit mm ³)
	Units/Bag	Bags/Inner Box		

/ Notices

3MHZ



1	≤3.0MHZ
2	≤40V
3	≤45W
4	HFE 60-70,70-80,80-90

1	HFE	HFE	60-70	70-80	80-90
2	HFE				

$$\begin{array}{ccccc} 1 & & \mathbf{Y} & & \\ 2 & & & & \mu \quad \eta \end{array}$$