/ Descriptions

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

/ Features

High Voltage, Large Current.

/ Applications

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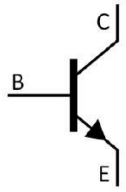
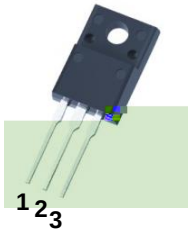
Humidifier, DC-DC converter, and general purpose.

/ Equivalent Circuit



/ Pinning



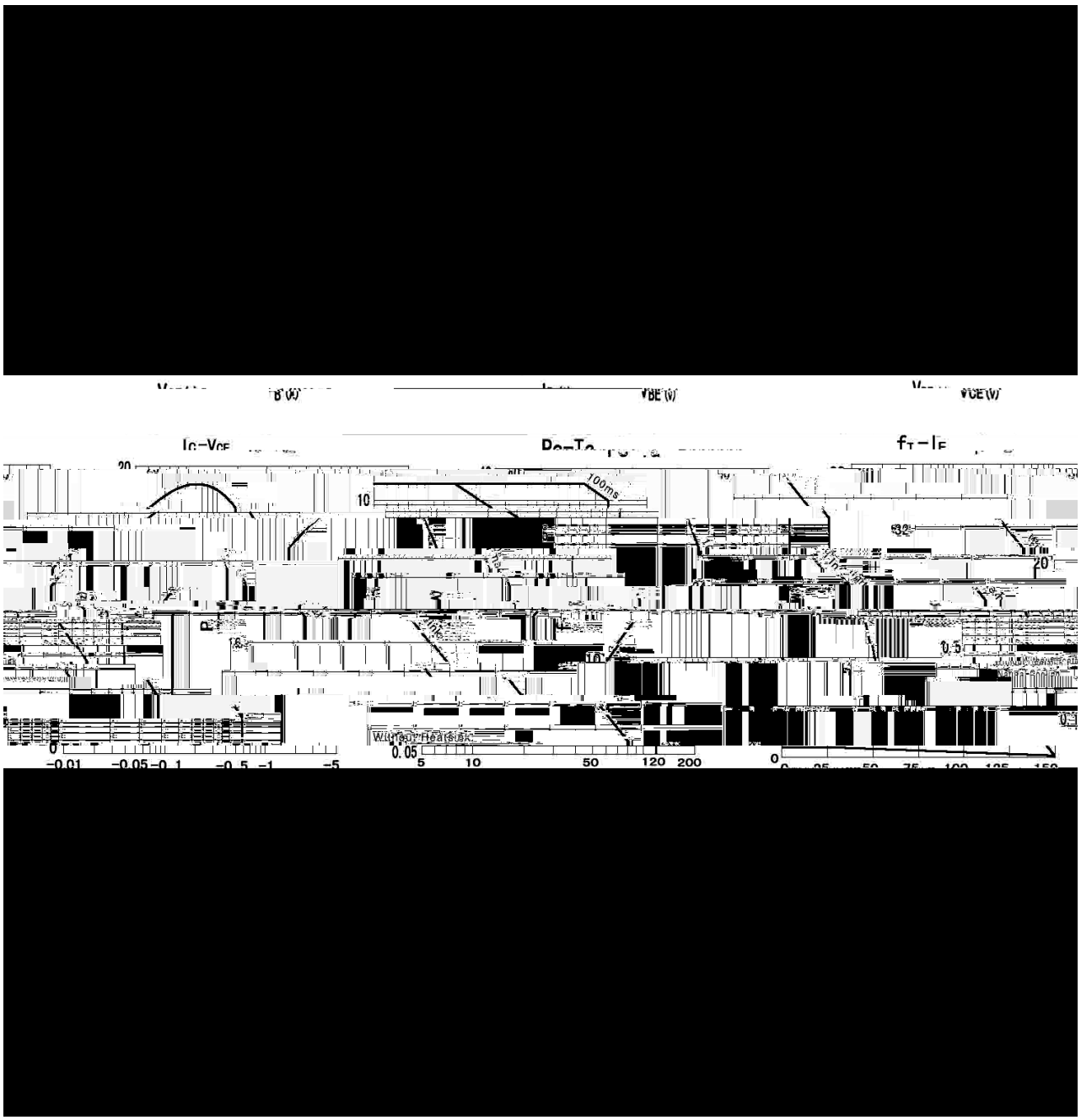
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

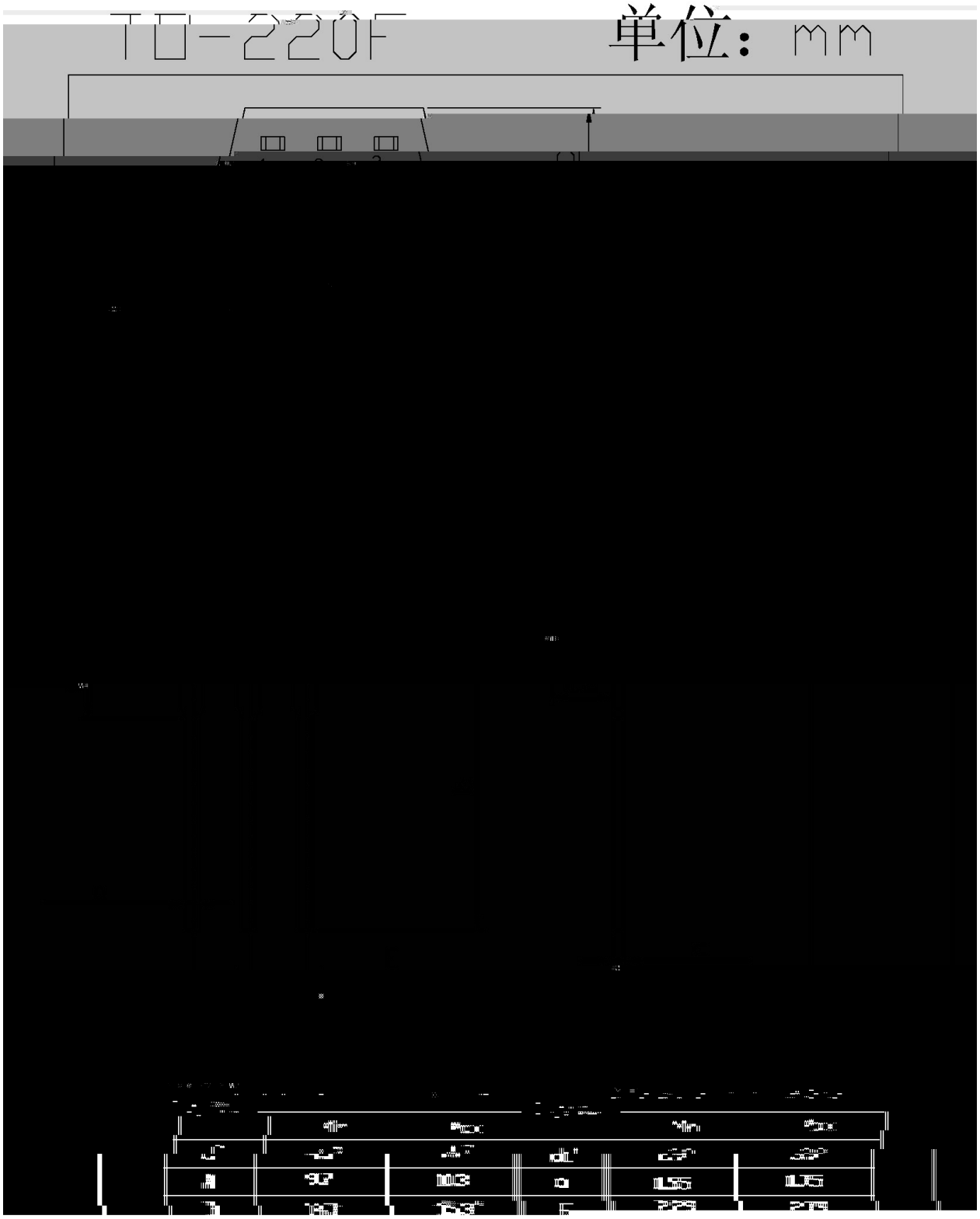
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	200	V
Collector to Emitter Voltage	V_{CEO}	120	V
Emitter to Base Voltage	V_{EBO}	8.0	V
Collector Current - Continuous	I_C	7.0	A
Base Current	I_B	3.0	A
Collector Power Dissipation	P_C (Tc=25)	40	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

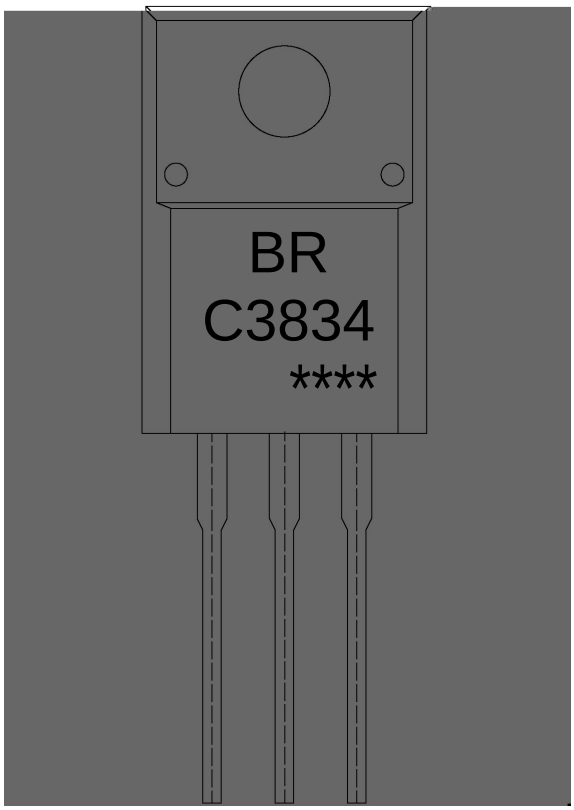
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

C3834

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Note:

BR:	Company Code.
C3834:	Product Type.
****:	Lot No. Code, code change with Lot No.