## / Descriptions

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

## / Features

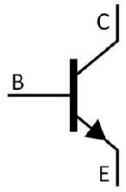
High Voltage, Large Current.

## / Applications

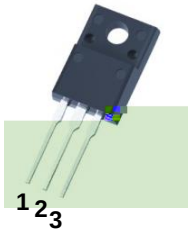
-

Humidifier, DC-DC converter, and general purpose.

## / Equivalent Circuit




## / Pinning



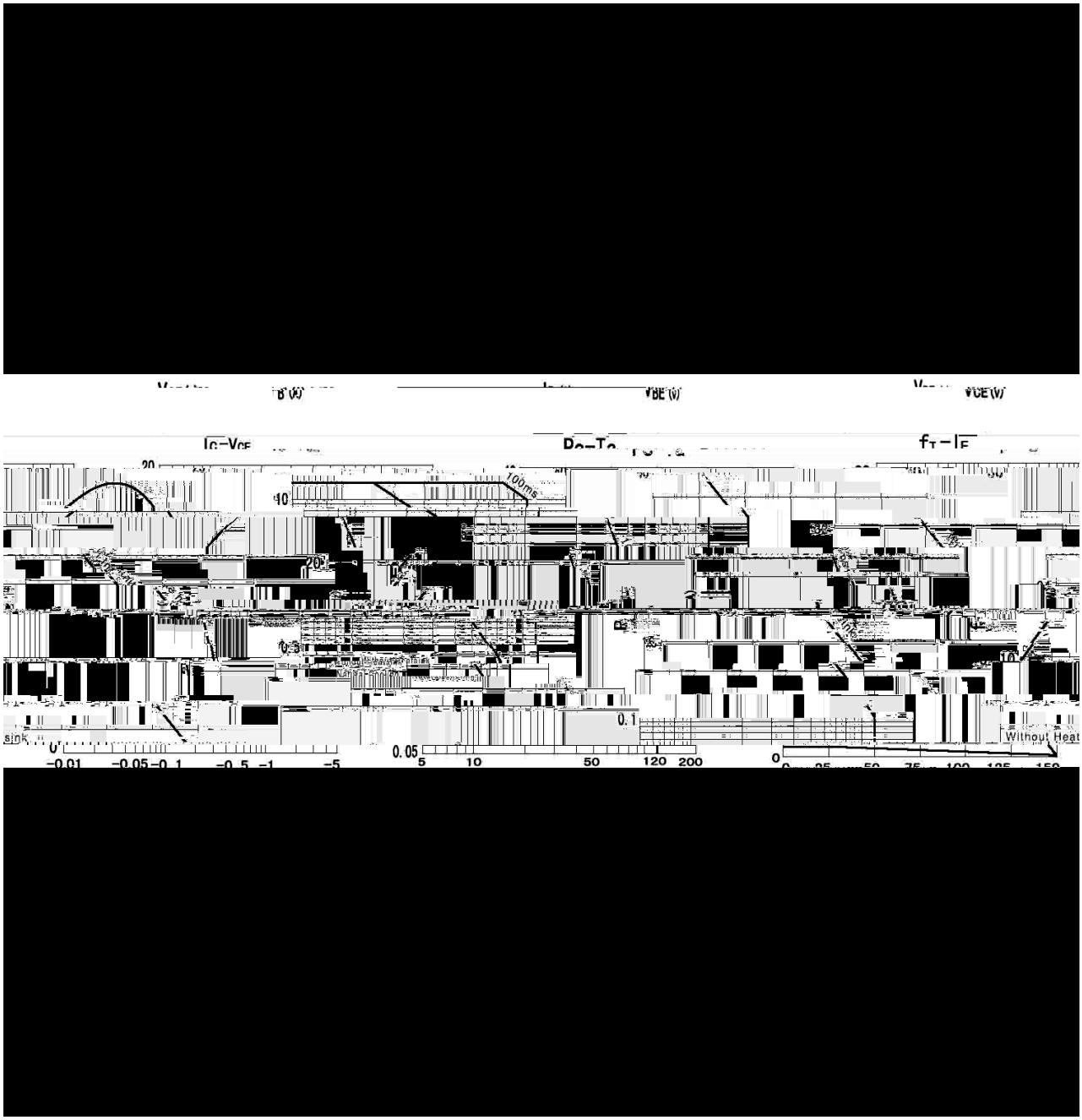

PIN1 Base PIN 2 Collector PIN 3 Emitter

## / $h_{FE}$ Classifications & Marking

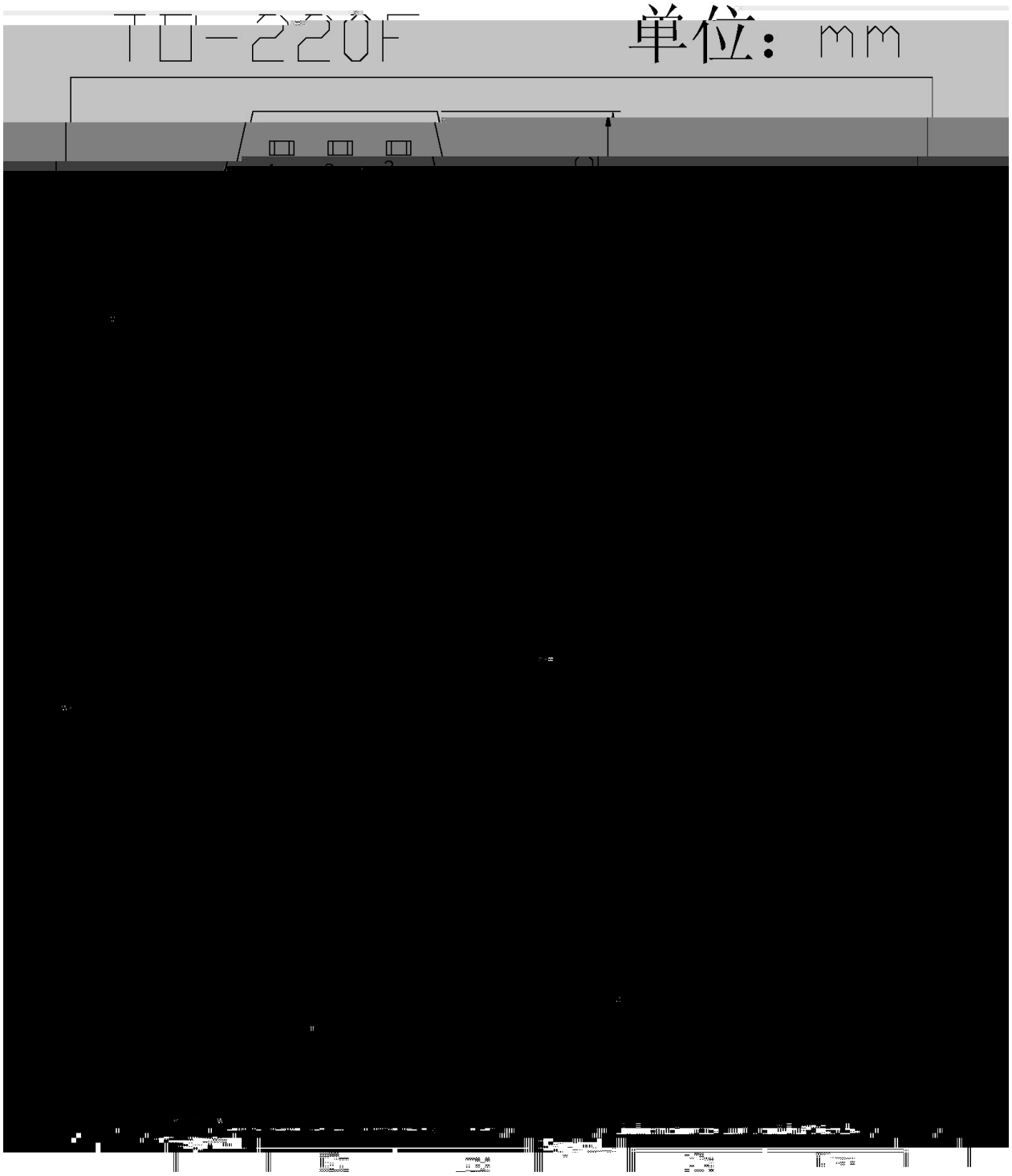
See Marking Instructions.

| 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 | C |

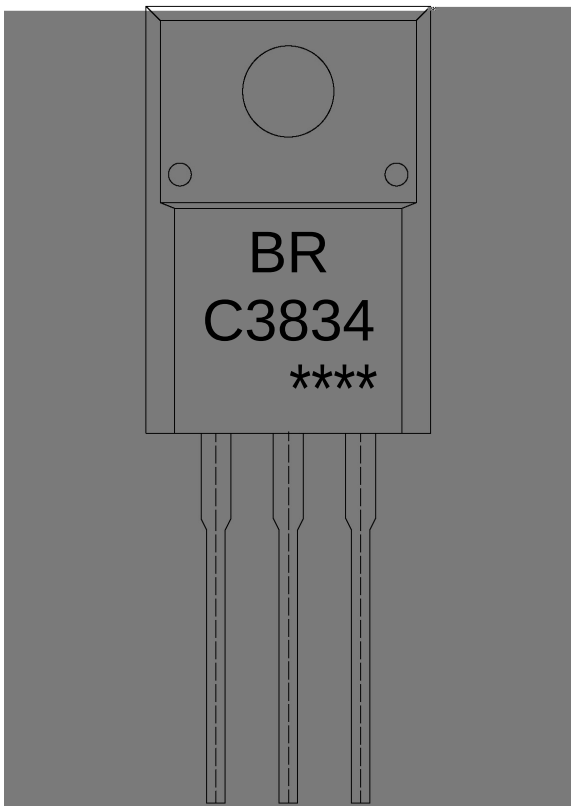
## / Electrical Characteristic Curve



## / 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. |