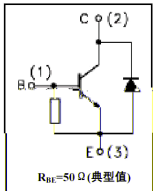


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TO-220F          NPN

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/  $h_{FE}$  Classifications & Marking

/ Absolute Maximum Ratings(Ta=25 )

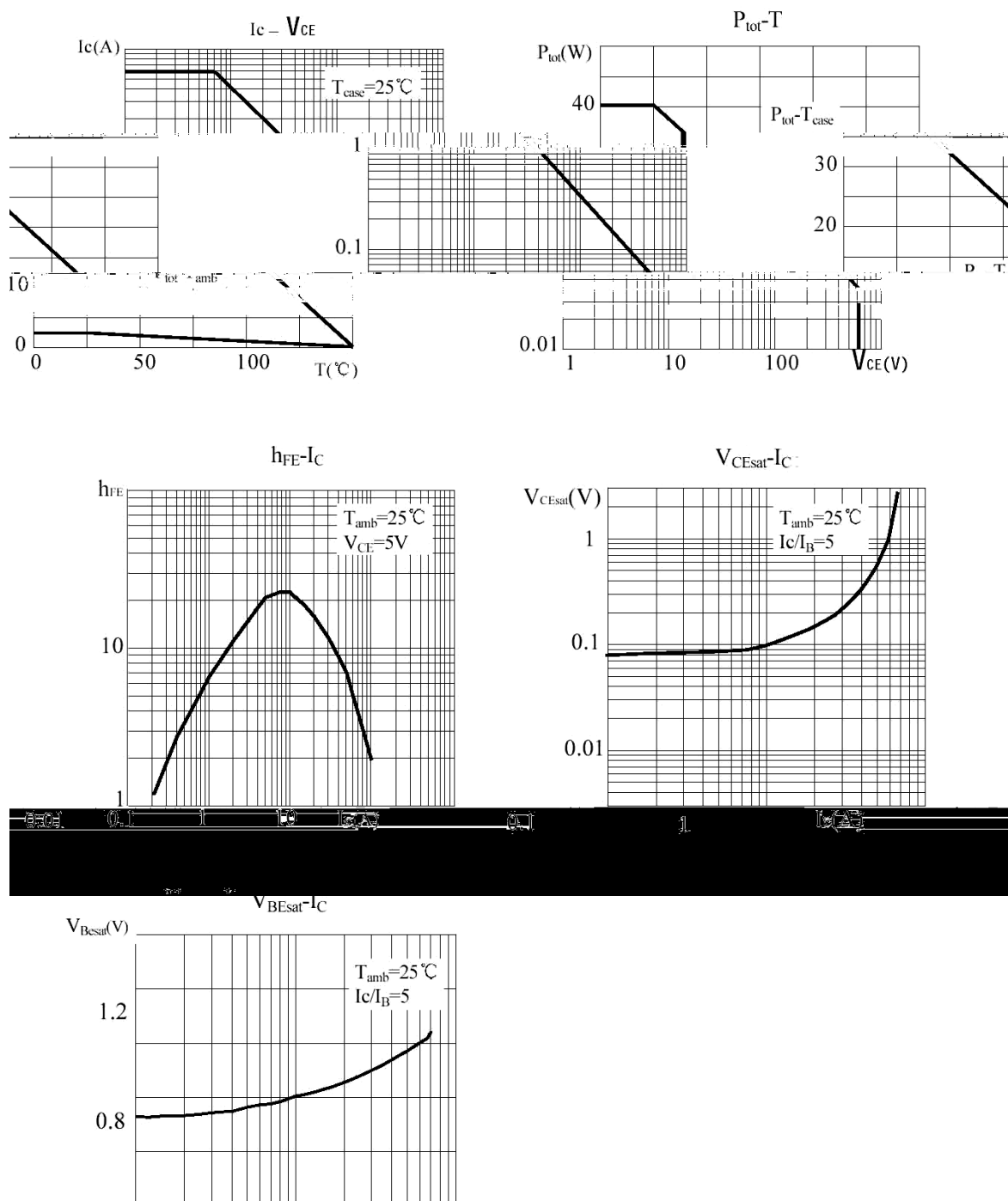
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/ Electrical Characteristics(Ta=25 )

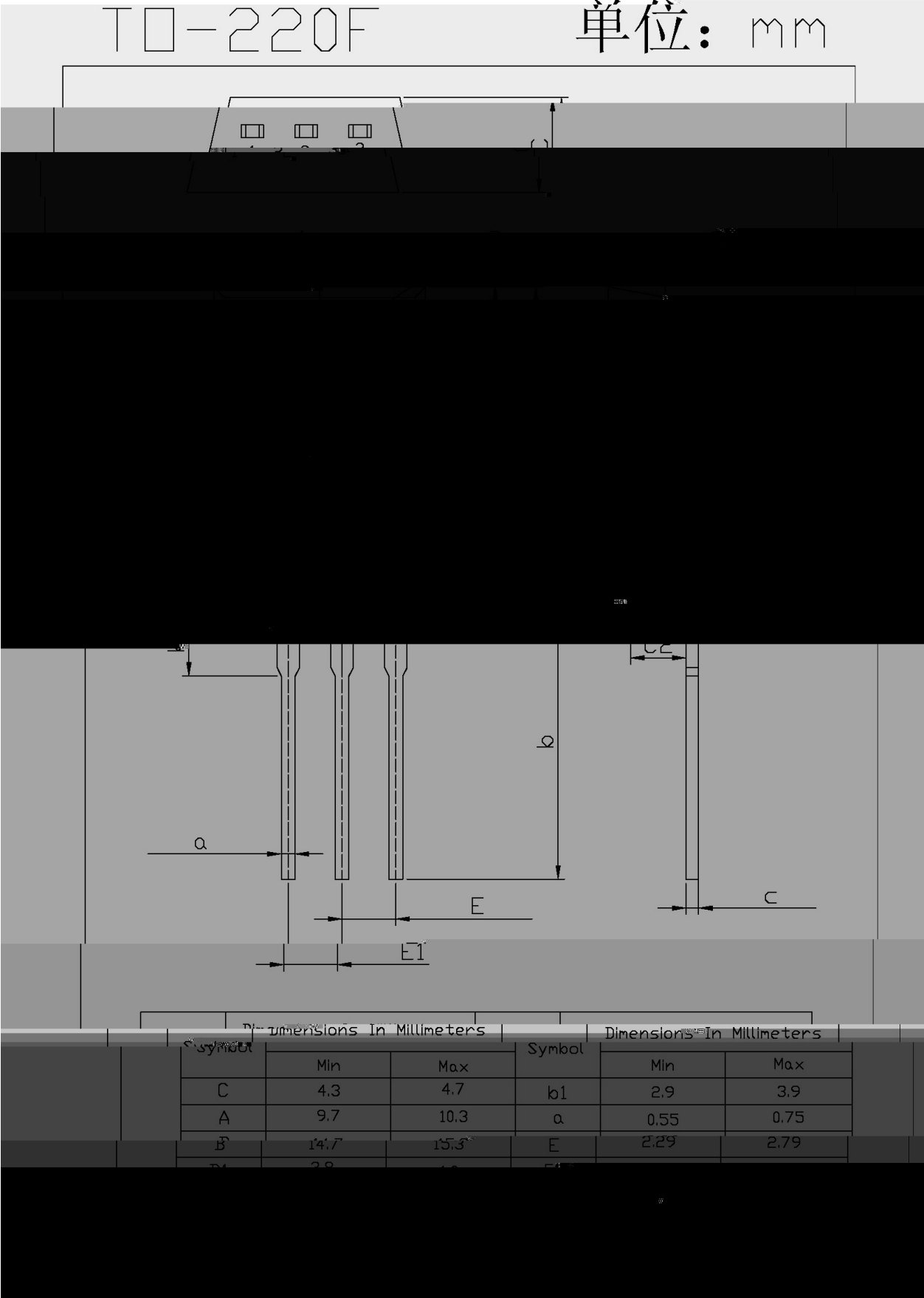
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\*: tp≤300μs,δ≤2%

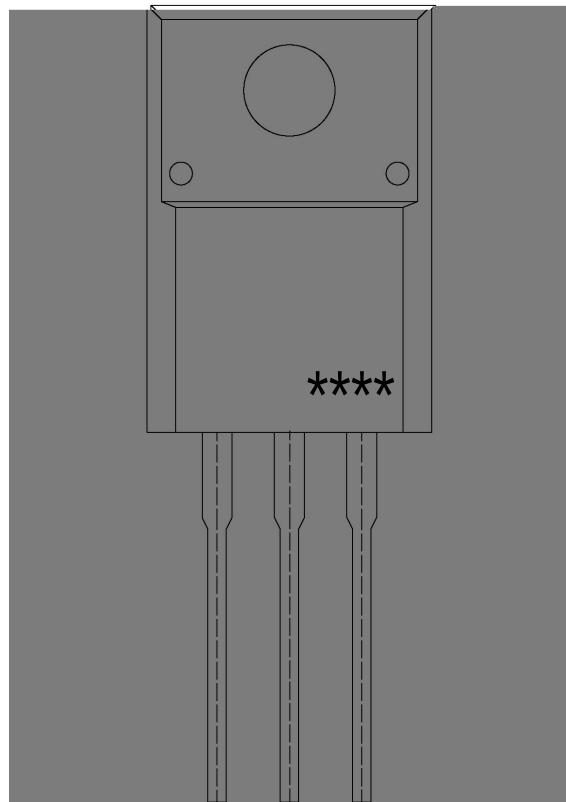
## / Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions

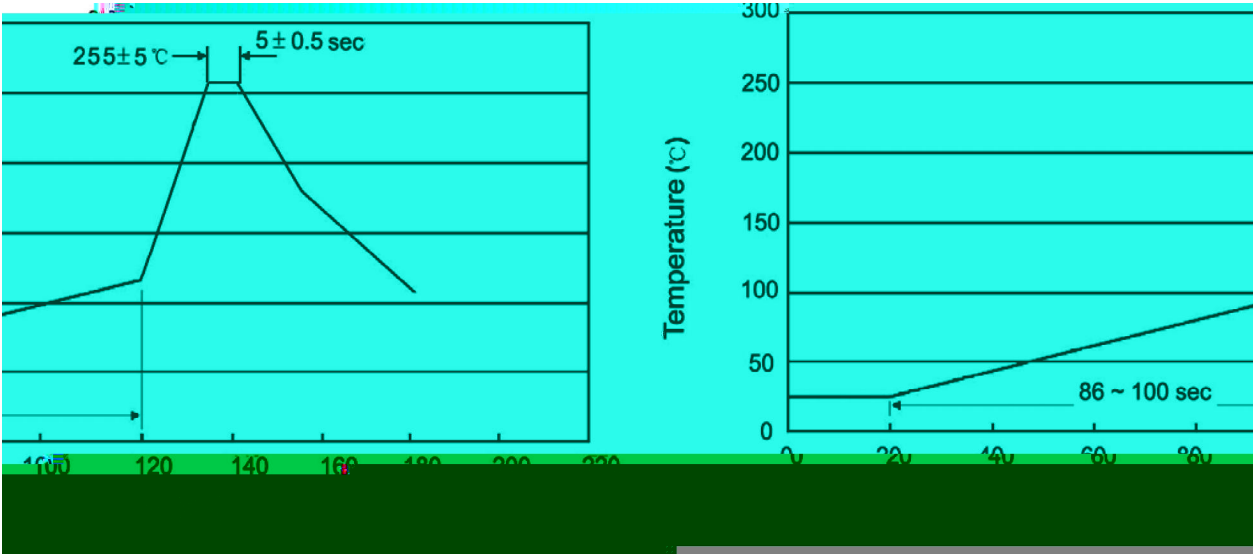


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(     ) / Temperature Profile for Dip Soldering(Pb-Free)



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.

| 封装形式     | 包装数量             |                       |                        |                              |                        | 包装尺寸    |             |             |
|----------|------------------|-----------------------|------------------------|------------------------------|------------------------|---------|-------------|-------------|
|          | Units/Bag<br>只/袋 | Bags/Inner Box<br>袋/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Bag 袋   | Inner Box 盒 | Outer Box 箱 |
| TO-220/F | 200              | 10                    | 2,000                  | 5                            | 10,000                 | 135×190 | 237×172×102 | 560×245×195 |

| 封装形式     | 包装数量               |                         |                        |                              |                        | 包装尺寸         |             |             |
|----------|--------------------|-------------------------|------------------------|------------------------------|------------------------|--------------|-------------|-------------|
|          | Units/Tube<br>只/套管 | Tubes/Inner Box<br>套管/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Tube 套管      | Inner Box 盒 | Outer Box 箱 |
| TO-220/F | 50                 | 20                      | 1,000                  | 5                            | 5,000                  | 532×31.4×5.5 | 555×164×50  | 575×290×180 |