

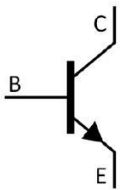
## / Descriptions

TO-220      NPN

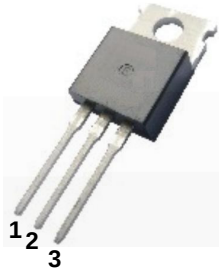
## / Features

## / Applications

## / Equivalent Circuit



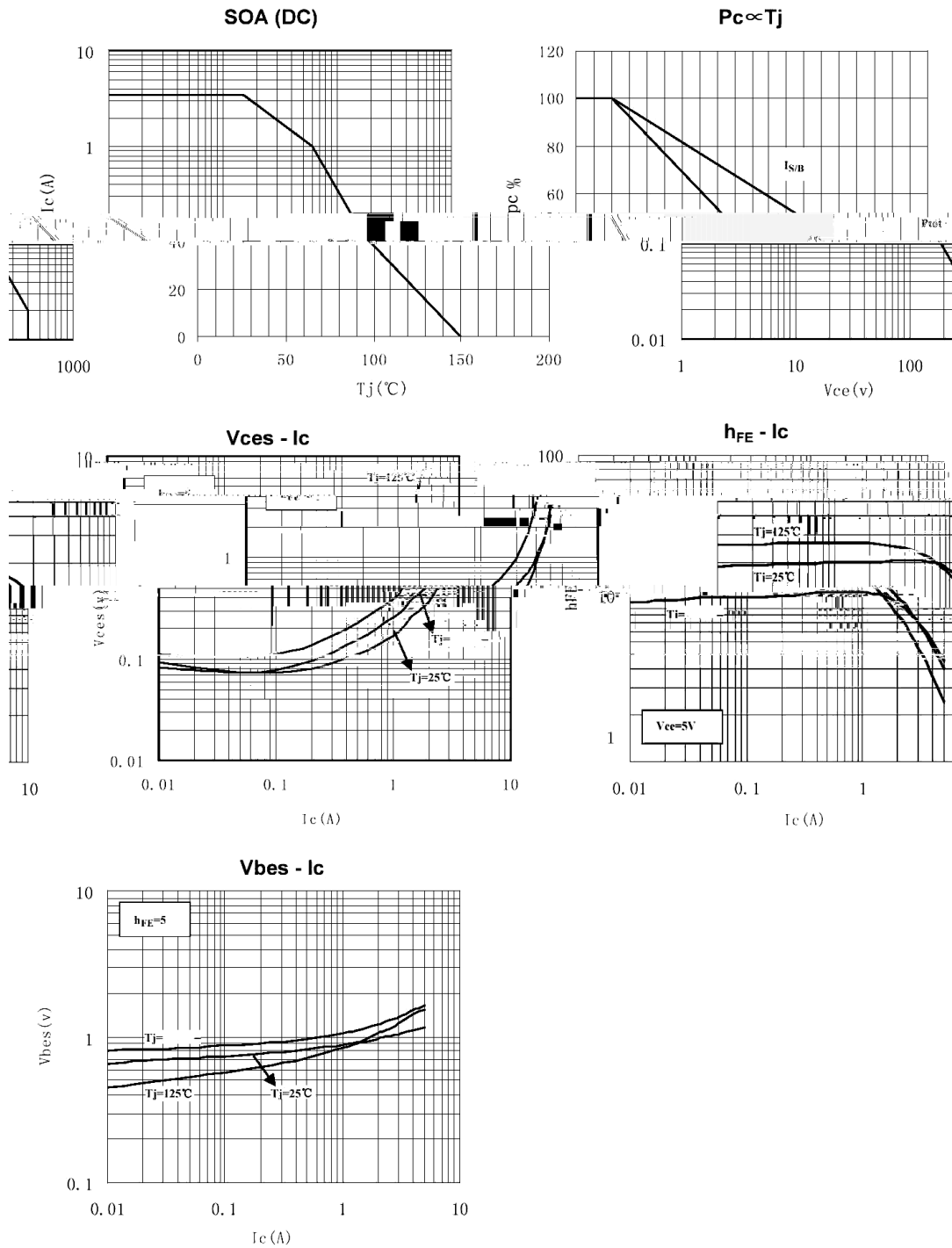
## / Pinning



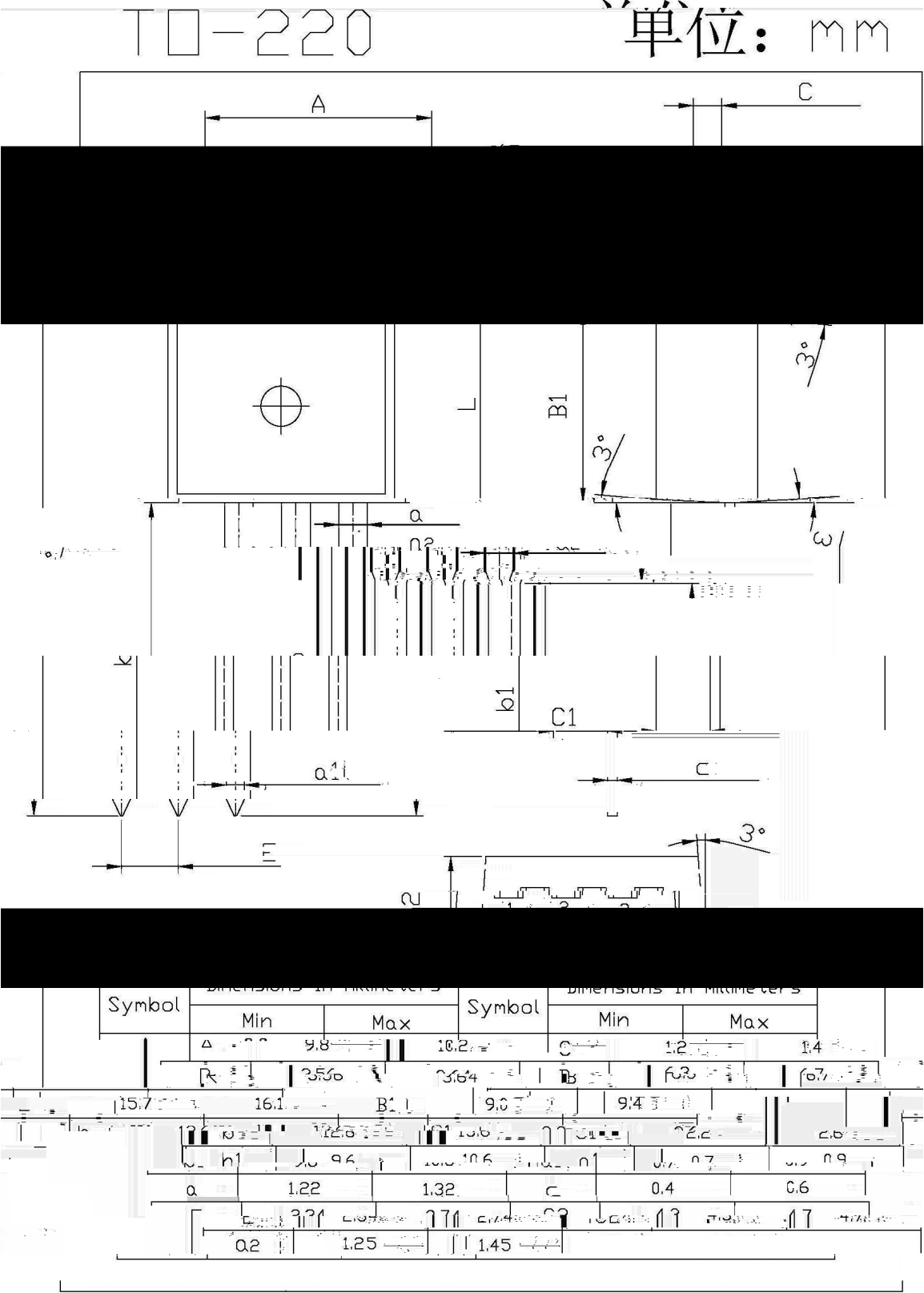
## / $h_{FE}$ Classifications & Marking

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |

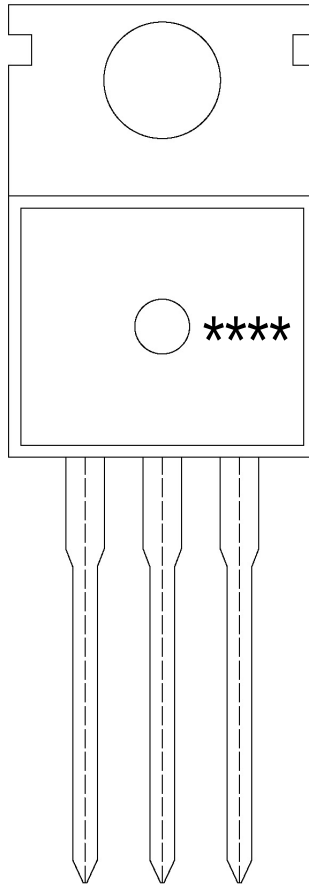
## / Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions

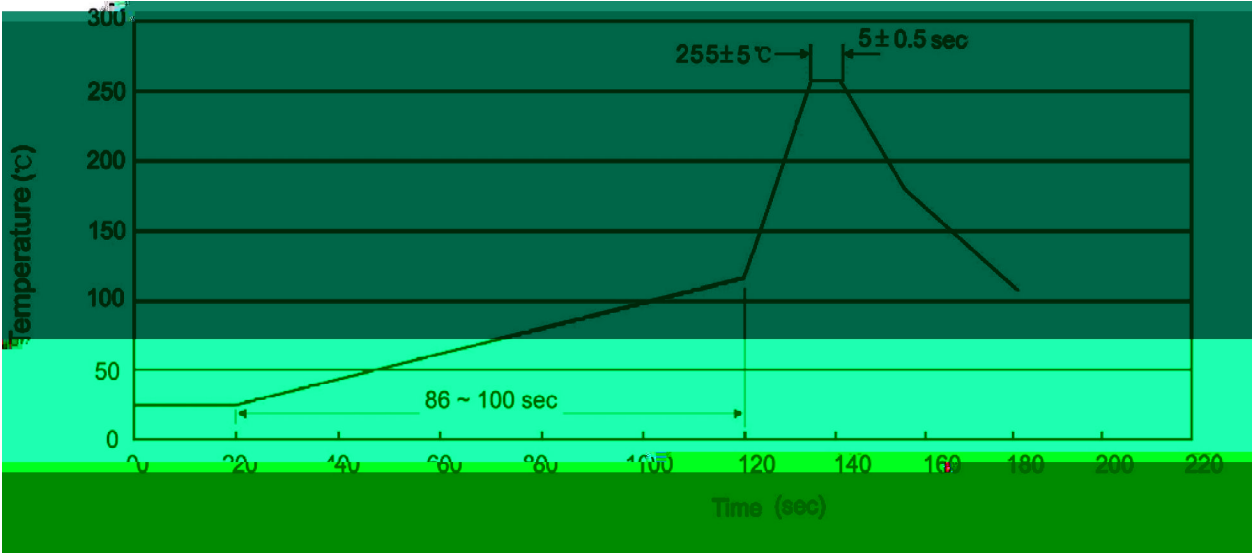


BR

TR136

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



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.

|          | Units/Bag<br>/ | Bags/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Bag     | Inner Box   | Outer Box   |
|----------|----------------|---------------------|----------------------|----------------------------|----------------------|---------|-------------|-------------|
| TO-220/F | 200            | 10                  | 2,000                | 5                          | 10,000               | 135×190 | 237×172×102 | 560×245×195 |