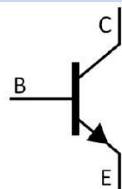


/ Descriptions

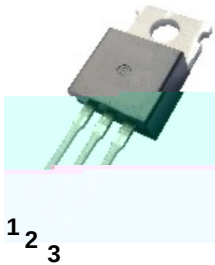
/ Features

/ Applications

/ Equivalent Circuit



/ Pinning



/  $h_{FE}$  Classifications & Marking

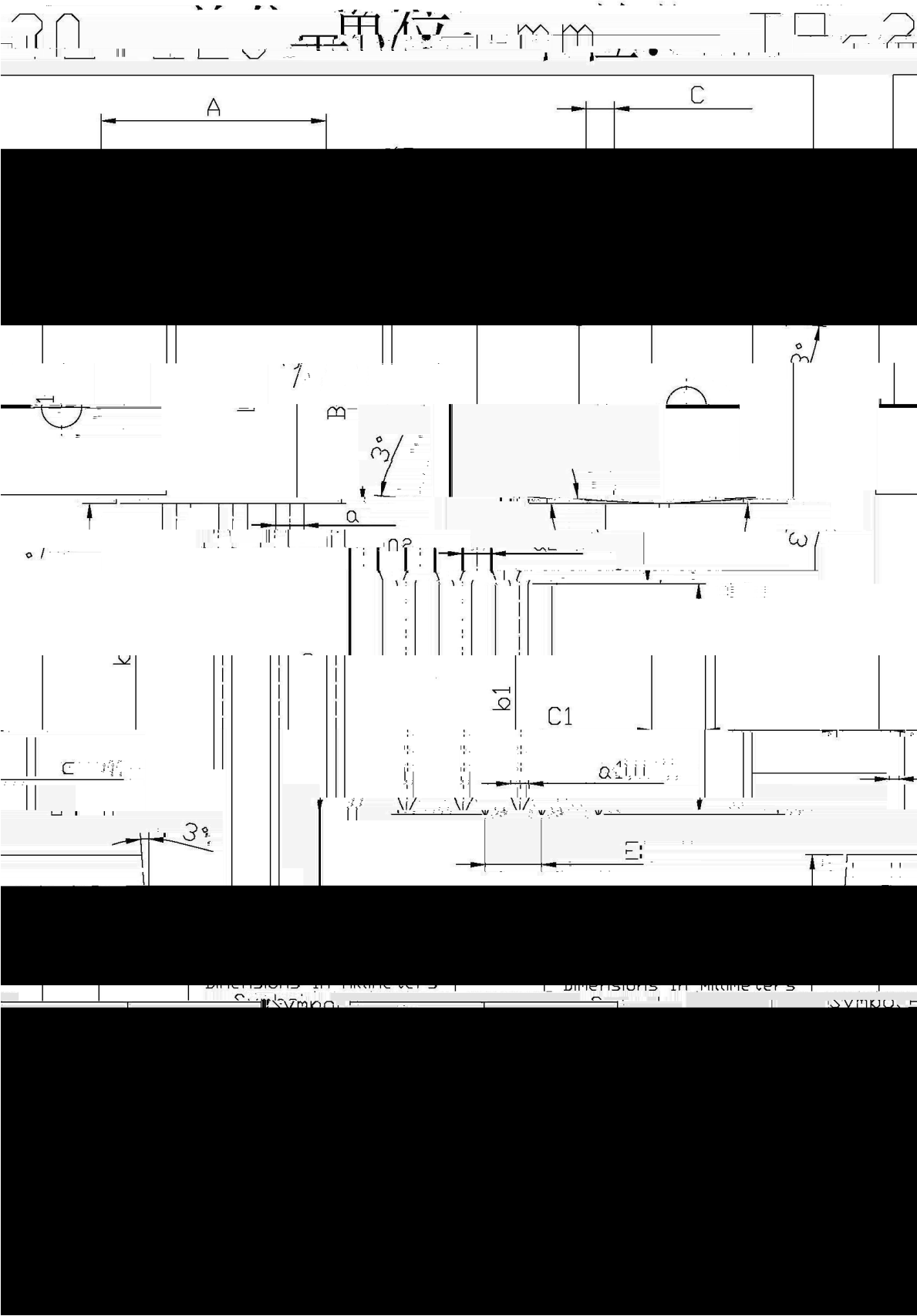
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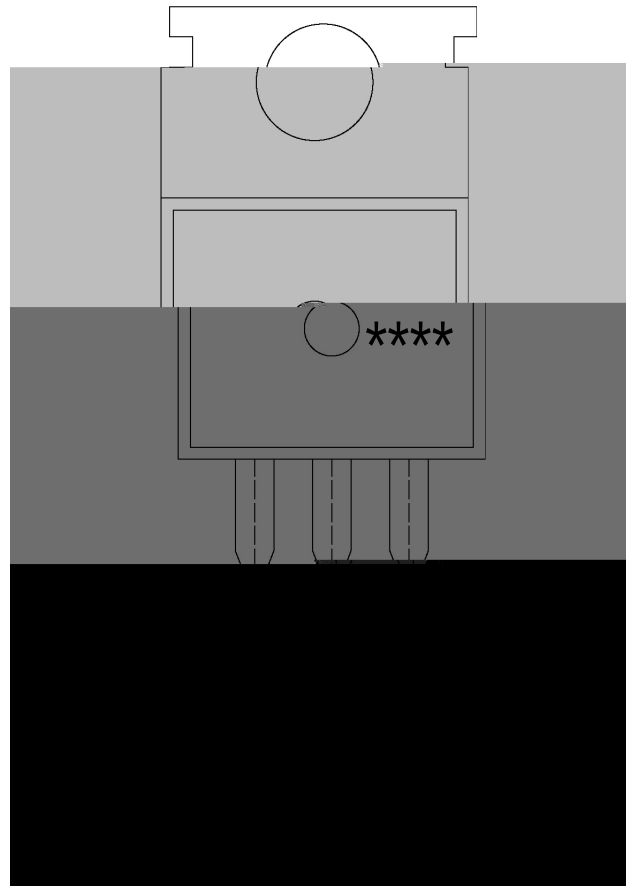
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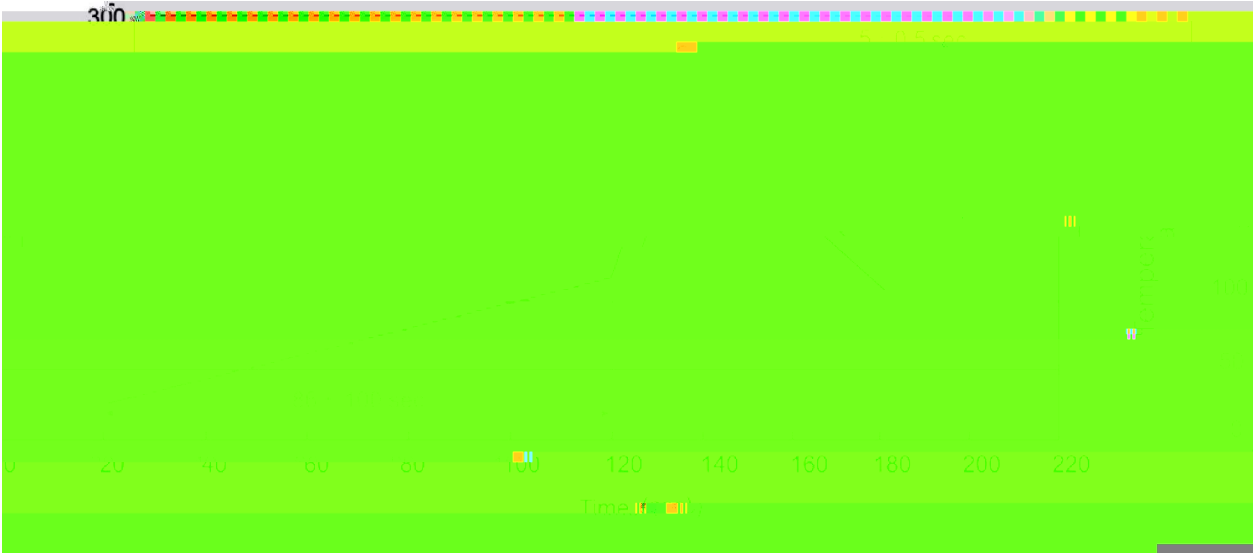
/ Package Dimensions



/ Marking Instructions



( ) / 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 |