

### / Descriptions

SOT-323          NPN          Silicon NPN transistor in a SOT-323 Plastic Package.

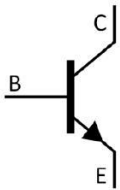
### / Features

S8550W  
Complementary pair with S8550W.

### / Applications

Power amplifier applications.

### / Equivalent Circuit



### / Pinning



PIN1   Emitter          PIN 2   Base          PIN 3   Collector

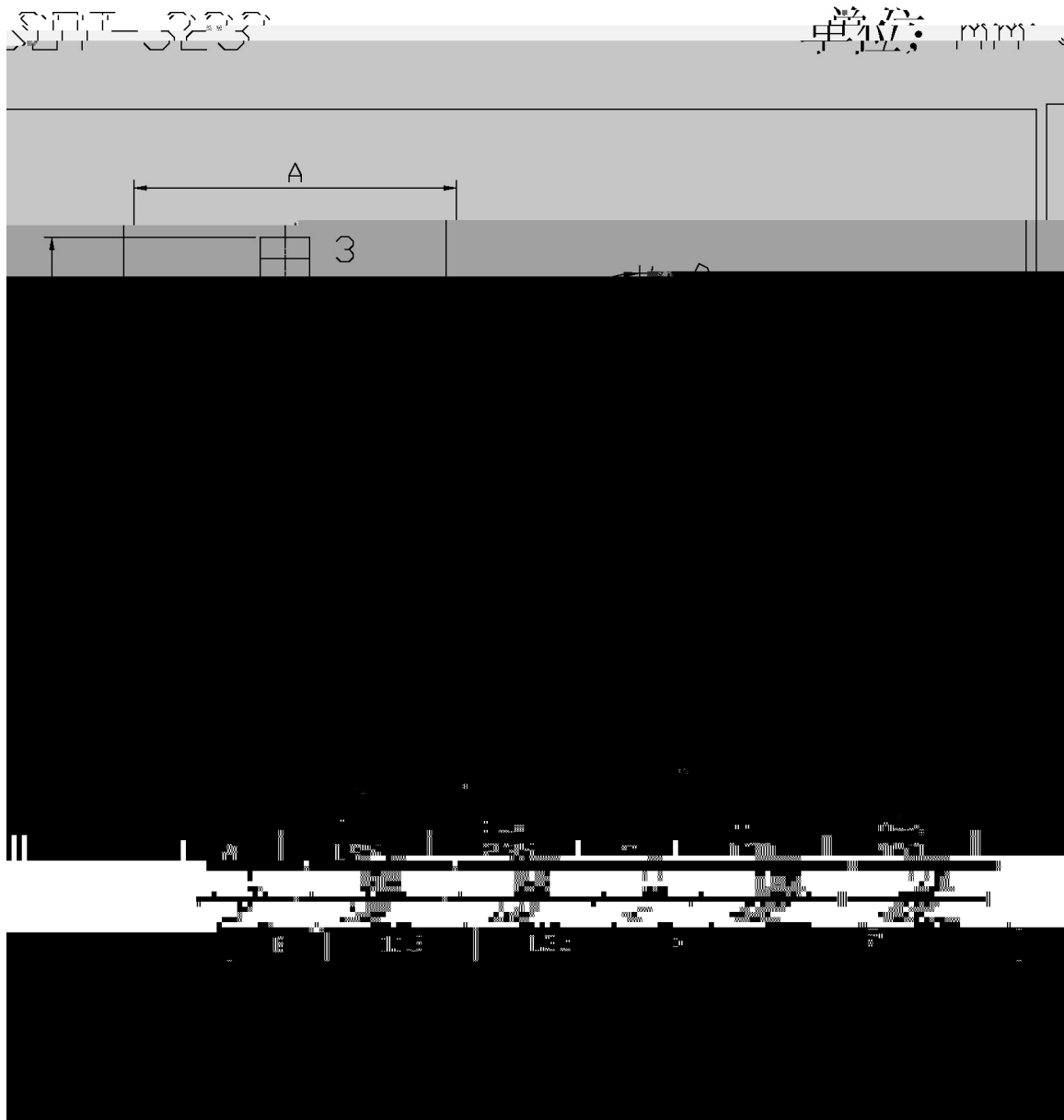
### / Marking

| $h_{FE}$ Classifications<br>Symbol | B        | C         | D         |
|------------------------------------|----------|-----------|-----------|
| $h_{FE}$ Range                     | 85   160 | 120   200 | 160   300 |
| Marking                            | HY3B     | HY3C      | HY3D      |



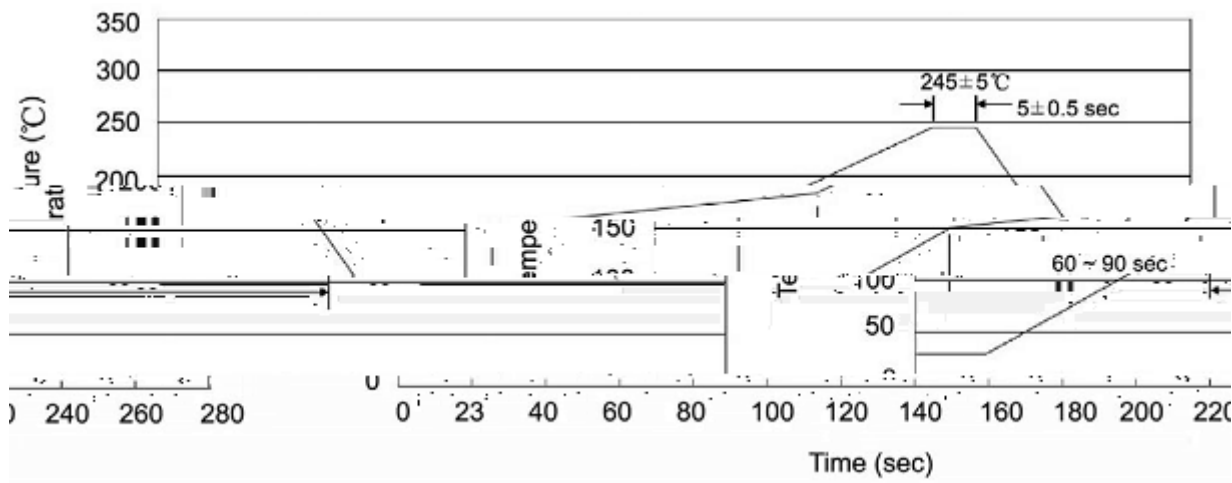


/ Package Dimensions





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Note:

- |   |       |     |           |        |                                         |
|---|-------|-----|-----------|--------|-----------------------------------------|
| 1 | 25    | 150 | 60        | 90sec; | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 245±5 |     | 5±0.5sec; |        | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 |       | 2   | 10        | /sec.  | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

260±5                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

| Package Type | Units      |                 |                 |                       |                 | Dimension (unit mm <sup>3</sup> ) |             |             |
|--------------|------------|-----------------|-----------------|-----------------------|-----------------|-----------------------------------|-------------|-------------|
|              | Units/Reel | Reels/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | Reel                              | Inner Box   | Outer Box   |
| SOT-323      | 3,000      | 10              | 30,000          | 6                     | 180,000         | 7 ×8                              | 180×120×180 | 390×385×205 |

/ Notices 1 2 -1.565TD 0 T c 0