

### / Descriptions

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

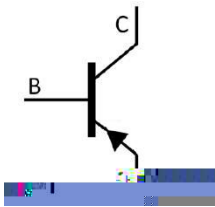
### / Features

BC846W  
High current, low voltage complementary pair with BC846W.

### / Applications

General purpose switching and amplification.

### / Equivalent Circuit



### / Pinning



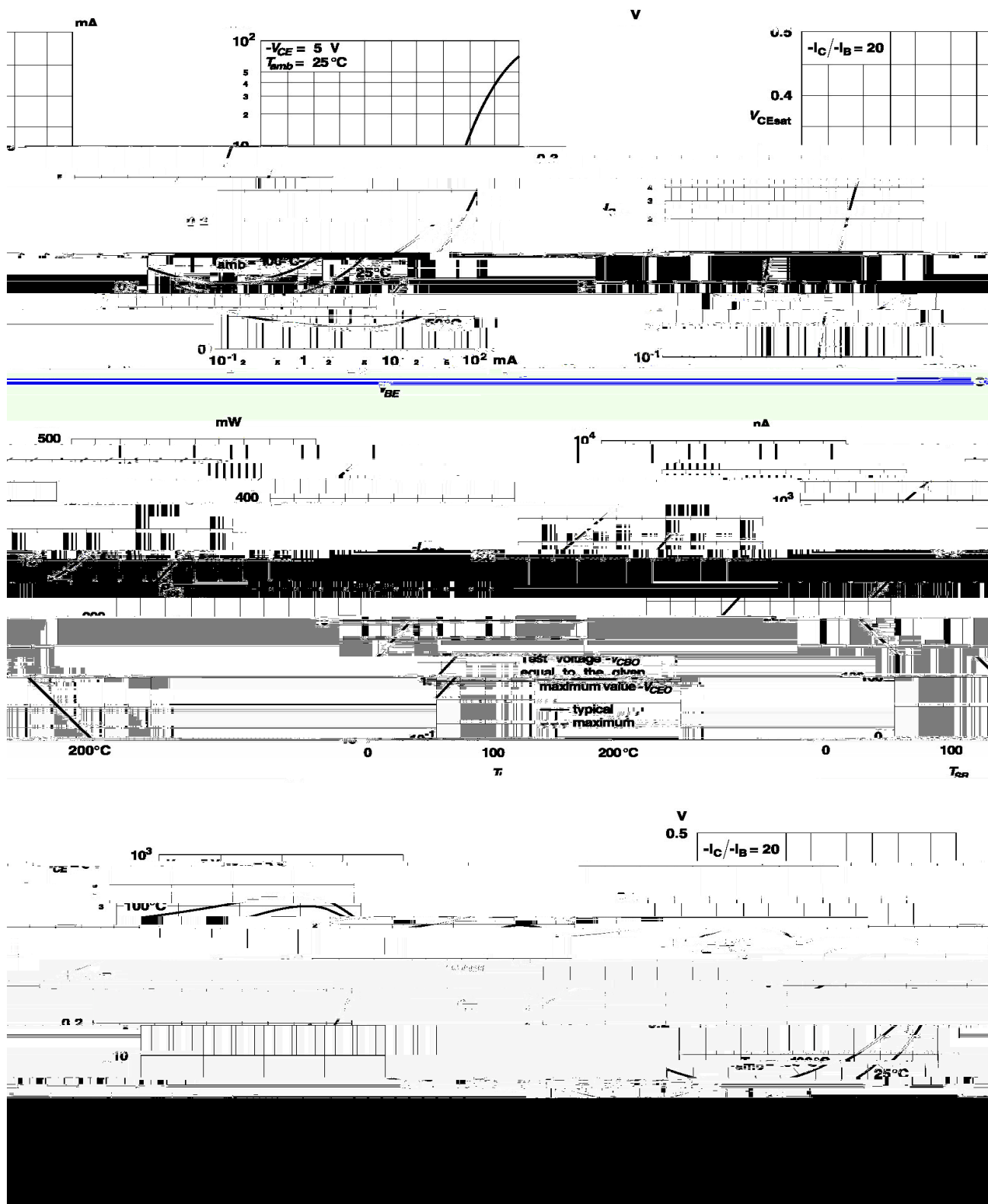
PIN1   Emitter          PIN 2   Base          PIN 3   Collector

### / Marking

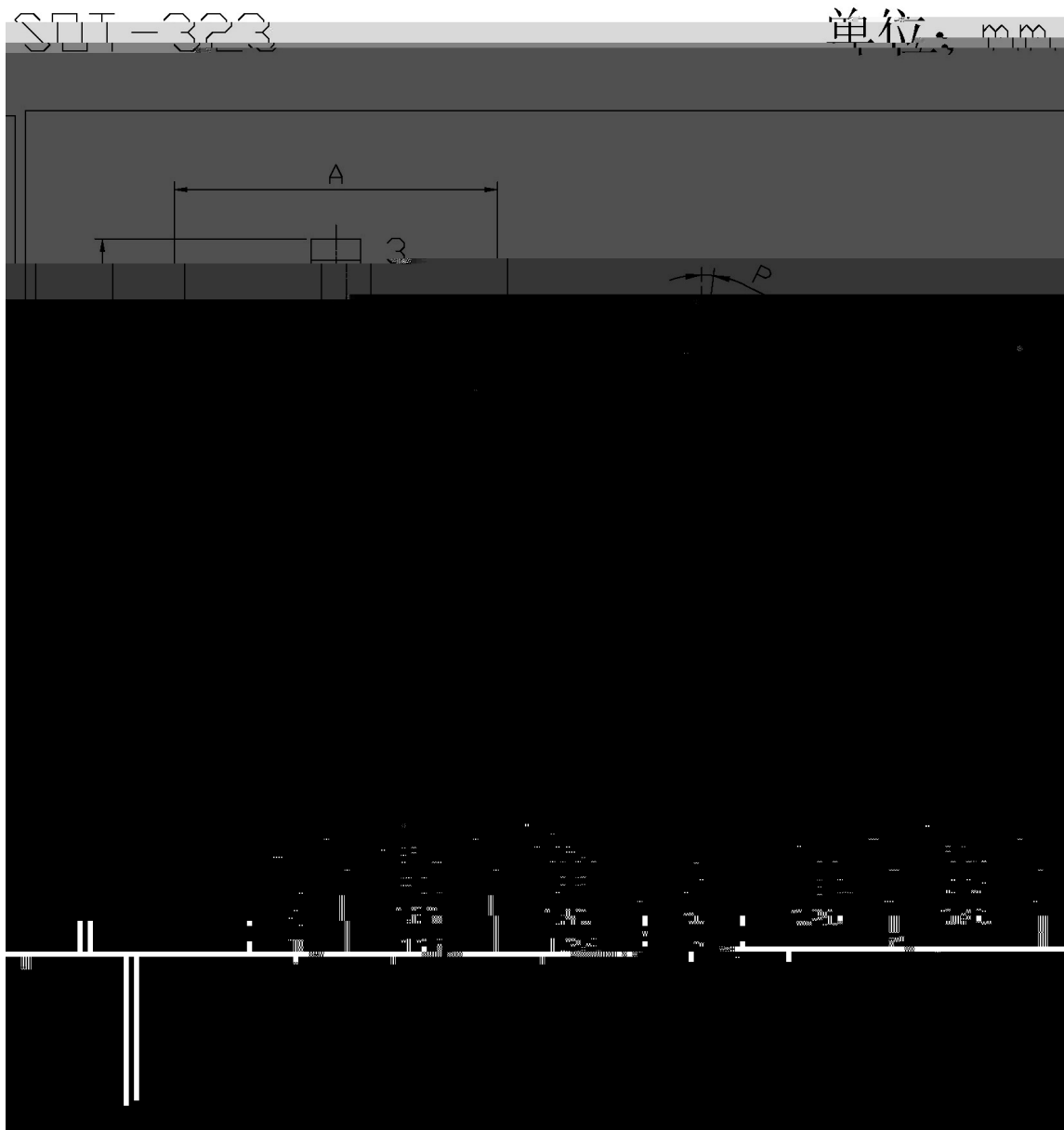
|                                    |           |           |
|------------------------------------|-----------|-----------|
| $h_{FE}$ Classifications<br>Symbol | A         | B         |
| $h_{FE}$ Range                     | 125   250 | 220   475 |
| Marking                            | H3A       | H3B       |

| Parameter                 | Symbol    | Rating | Unit |
|---------------------------|-----------|--------|------|
| Collector to Base Voltage | $V_{CBO}$ | -80    | V    |

/ Electrical Characteristic Curve

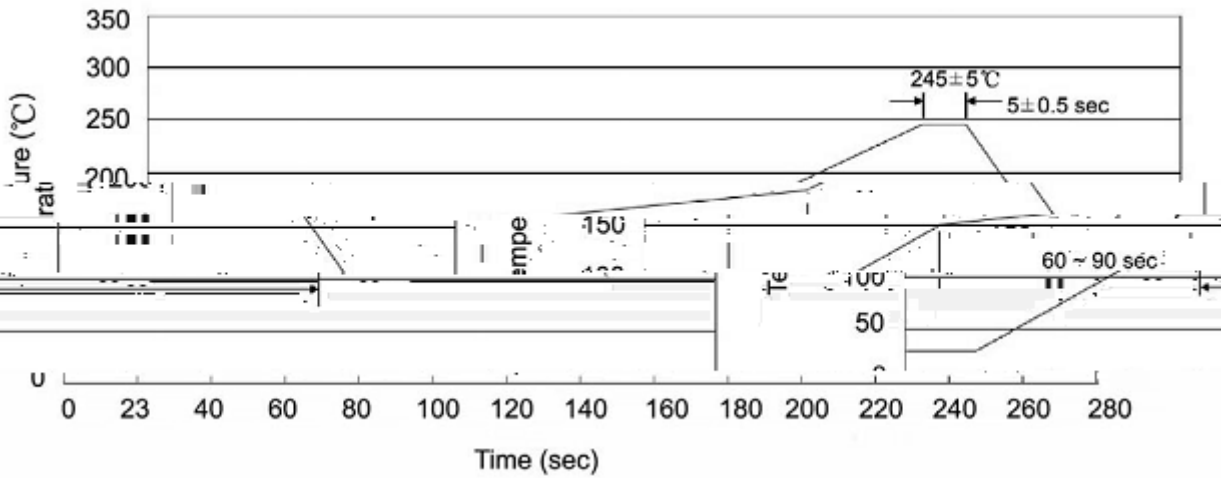


/ Package Dimensions



**BC856W**

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



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