

### / Descriptions

SOT-23          NPN          Silicon NPN transistor in a SOT-23 Plastic Package.

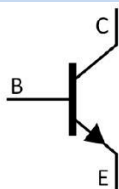
### / Features

Low current, low voltage.

### / Applications

High-speed switching.

### / Equivalent Circuit



### / Pinning



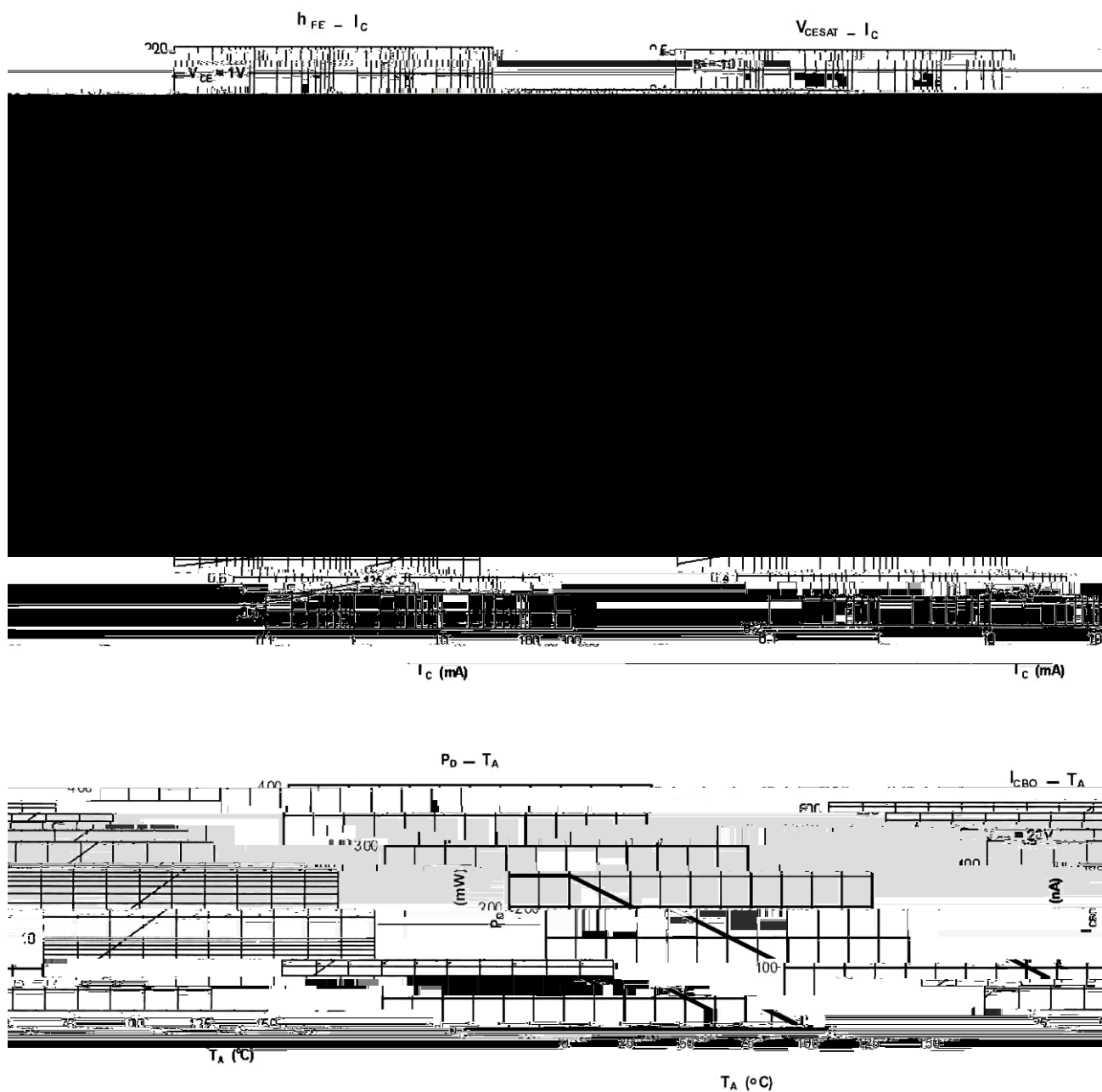
PIN 1   Base          PIN 2   Emitter          PIN 3   Collector

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

|                |        |
|----------------|--------|
| $h_{FE}$ Range | 40~200 |
| Marking        | H369   |

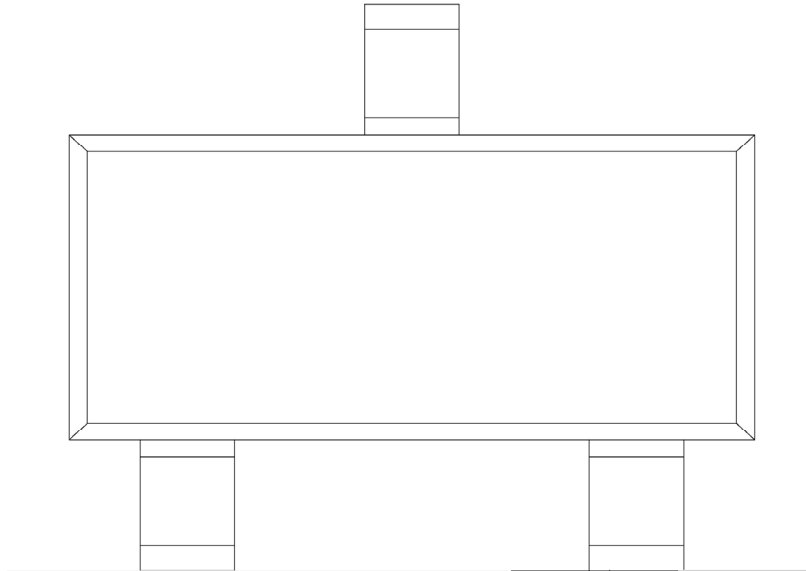
| Parameter                    | Symbol    | Rating | Unit |
|------------------------------|-----------|--------|------|
| Collector to Base Voltage    | $V_{CBO}$ | 40     | V    |
| Collector to Emitter Voltage | $V_{CEO}$ | 15     | V    |
| Emitter to Base Voltage      | $V_{EBO}$ |        |      |

/ Electrical Characteristic Curve

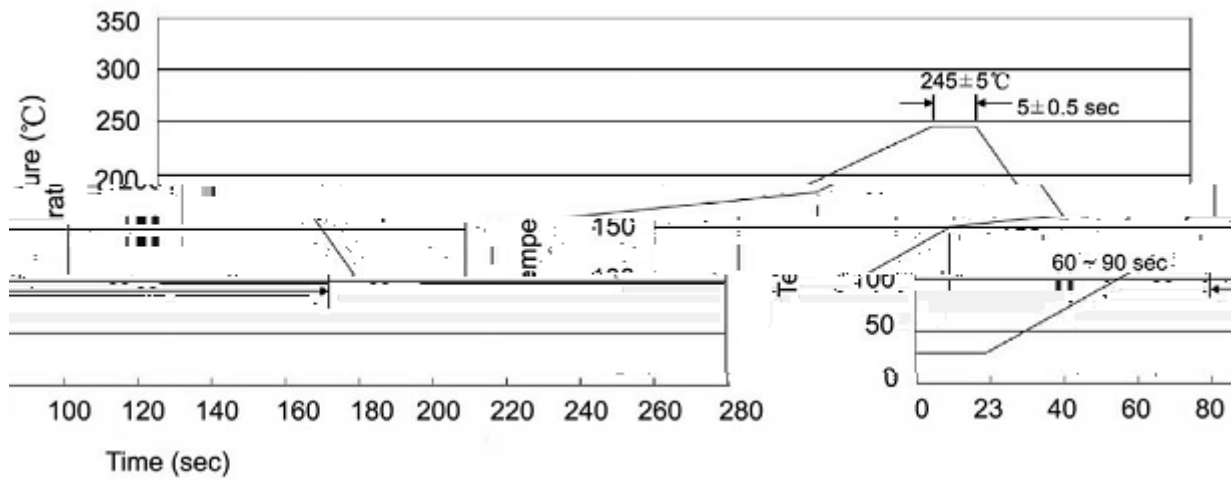




**/ Marking Instructions**



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



Note:

- 1

25 150

60 90sec;

2

245±5

5±0.5sec;

3

2 10 /sec.
- 1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

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-23       | 3,000      | 10              | 30,000          | 6                     | 180,000         | 7 ρ ×8                            | 180×120×180 | 390×385×205 |

/ Notices