

## / Descriptions

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

## / Features

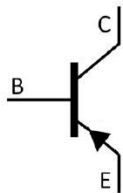
$h_{FE}$  ,  $V_{CEO}$

High total power dissipation, high  $h_{FE}$  and high  $V_{CEO}$ .

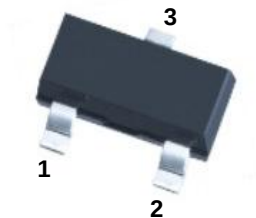
## / Applications

Audio frequency amplifier and driver stage.

## / Equivalent Circuit



## / Pinning



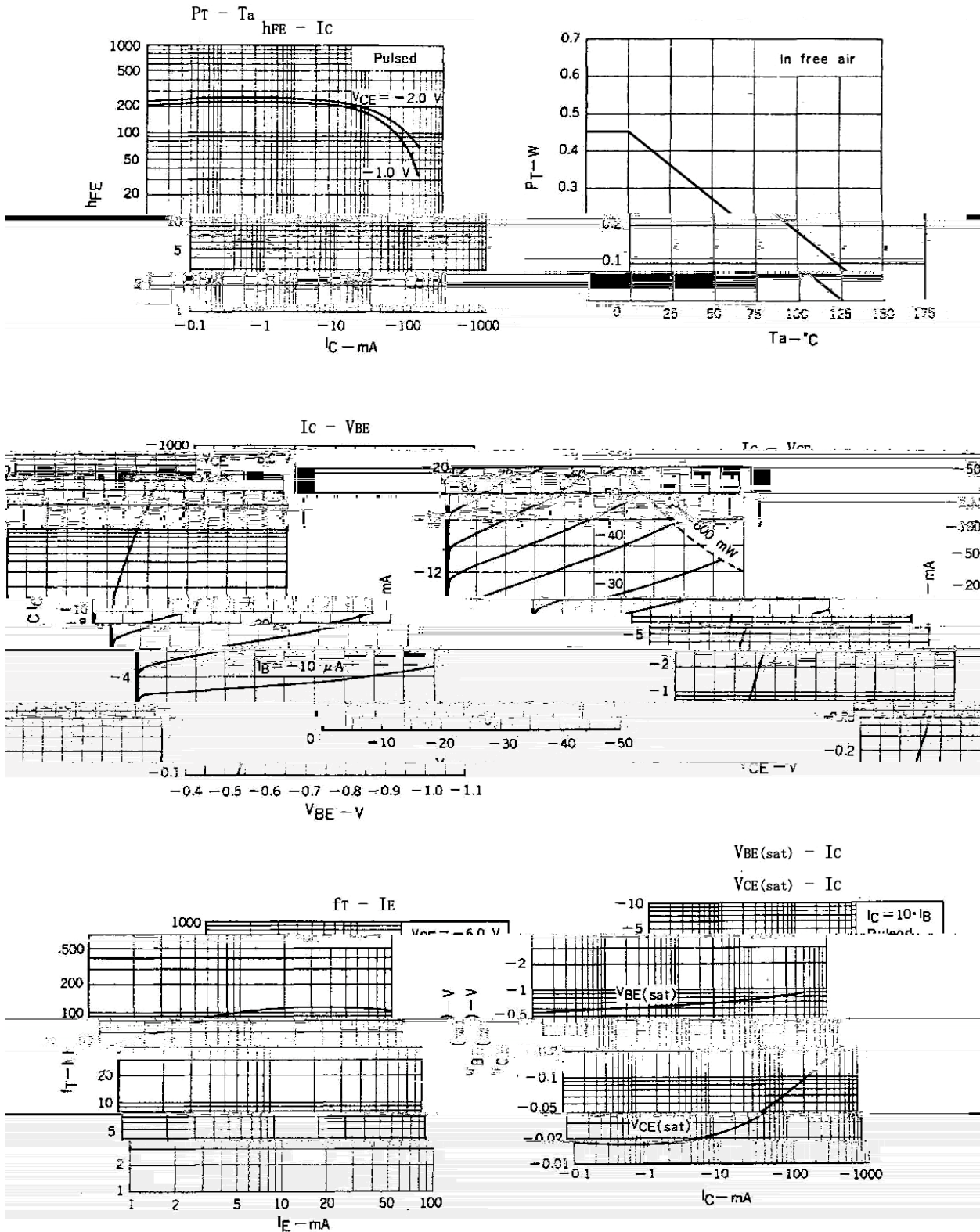
PIN1   Base          PIN 2   Emitter          PIN 3   Collector

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

| $h_{FE}$ Classifications<br>Symbol | M        | L         | K         |
|------------------------------------|----------|-----------|-----------|
| $h_{FE}$ Range                     | 90   180 | 135   270 | 200   400 |
| Marking                            | H53M     | H53L      | H53K      |

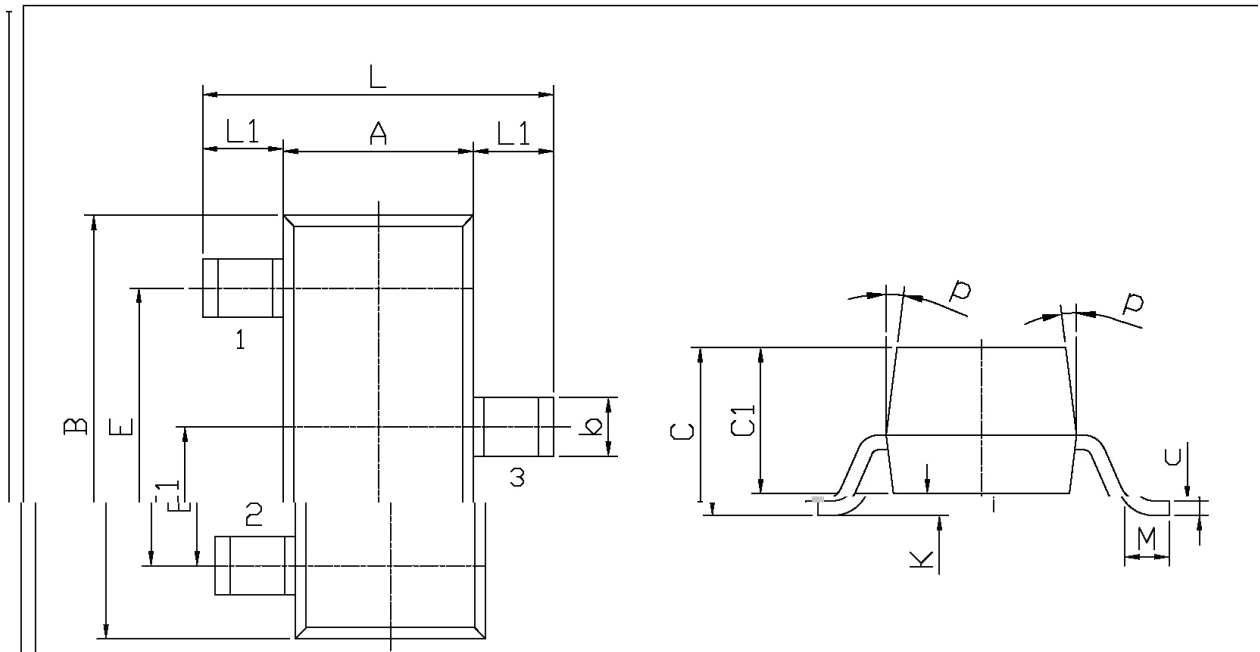
| Parameter                    | Symbol    | Rating | Unit |
|------------------------------|-----------|--------|------|
| Collector to Base Voltage    | $V_{CBO}$ | -60    | V    |
| Collector to Emitter Voltage | $V_{CEO}$ | -60    | V    |
| Emitter to Base Voltage      | $V_{EBO}$ |        |      |

/ Electrical Characteristic Curve

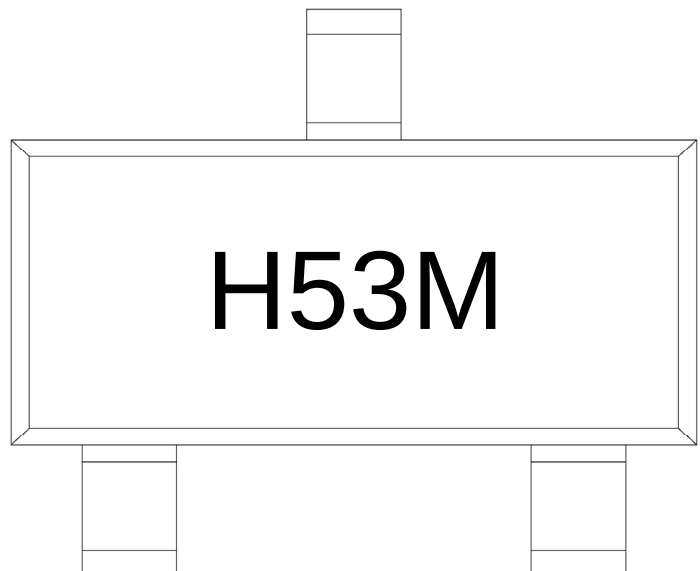


## SNT-23

单位: 元

[illegible]

/ Marking Instructions



H

53

M  $h_{FE}$

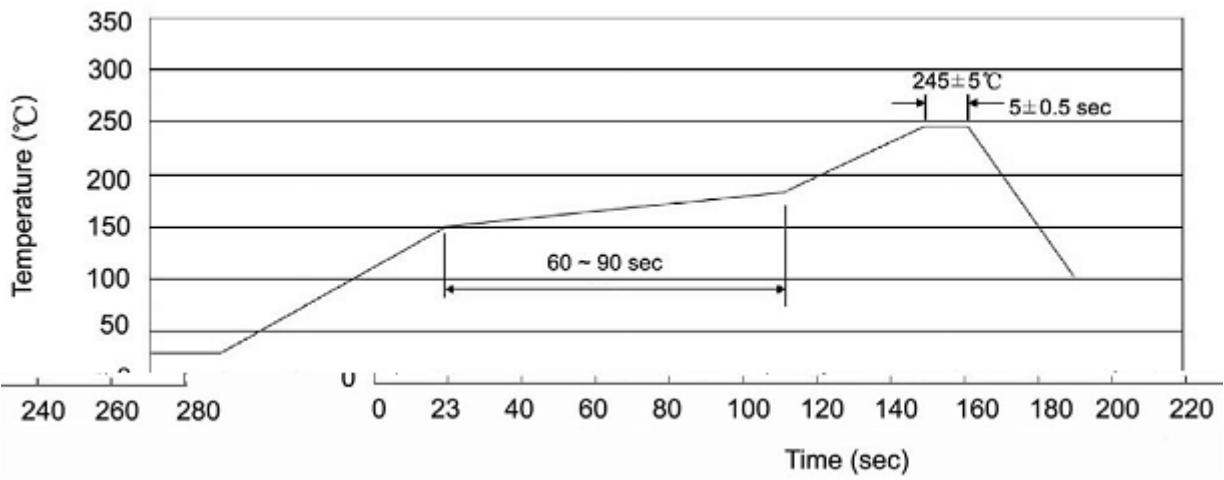
Note:

H: Company Code.

53: Product Type Code

M:  $h_{FE}$  Classifications Symbol Code

( ) /



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<br>封装形式 | Units 包装数量         |                         |                        |                              |                        | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |             |             |
|----------------------|--------------------|-------------------------|------------------------|------------------------------|------------------------|-----------------------------------------|-------------|-------------|
|                      | Units/Reel<br>只/卷盘 | Reels/Inner Box<br>卷盘/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Reel                                    | Inner Box 盒 | Outer Box 箱 |
| SOT-23               | 3,000              | 10                      | 30,000                 | 8                            | 180,000                | 7 ×8                                    | 180×120×180 | 390×385×205 |

/ Notices