

### / Descriptions

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

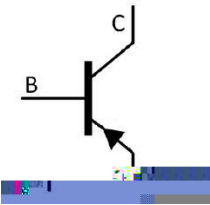
### / Features

300mA  
high current gain at collector currents to 300 mA.

### / Applications

General purpose amplifier.

### / Equivalent Circuit



### / Pinning



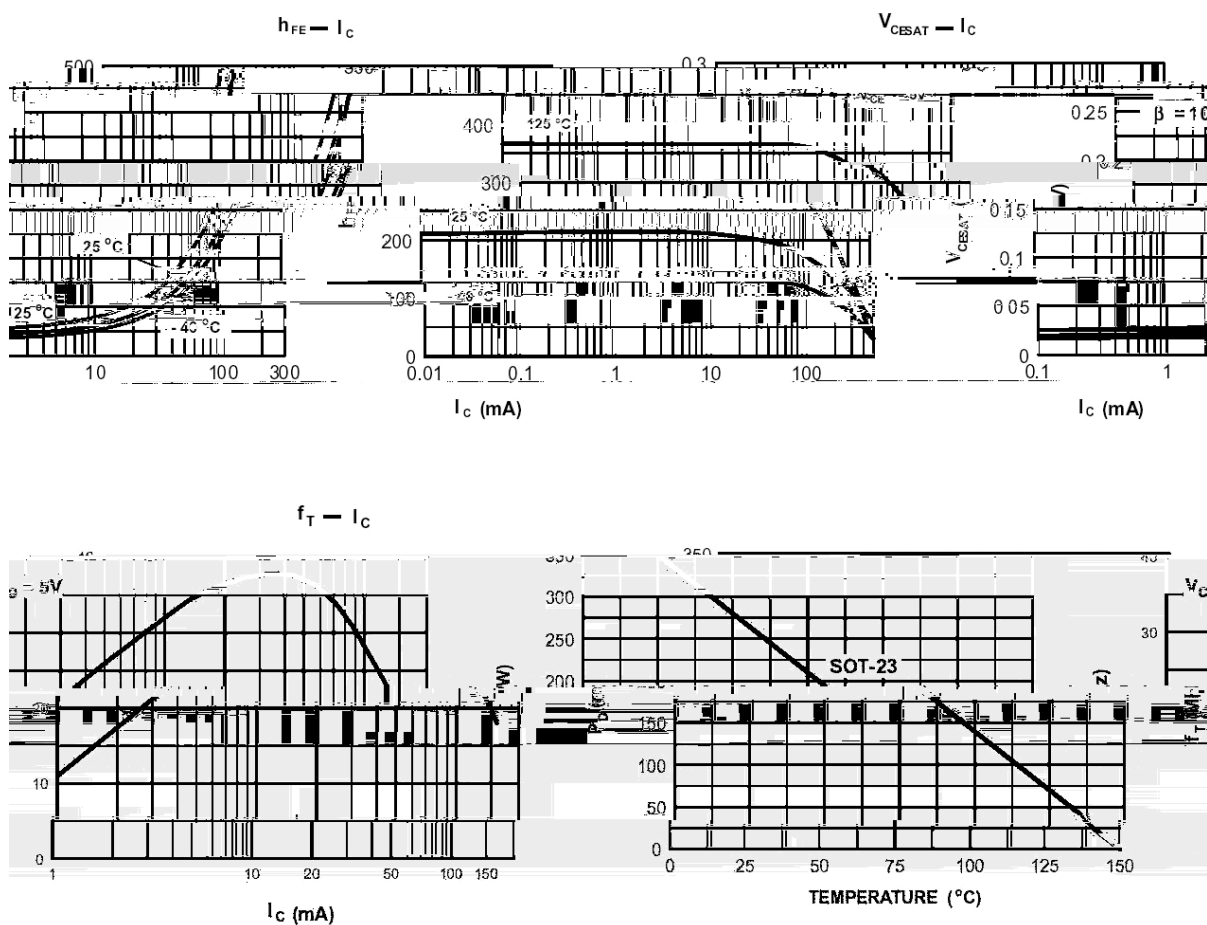
PIN1   Base          PIN 2   Emitter          PIN 3   Collector

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

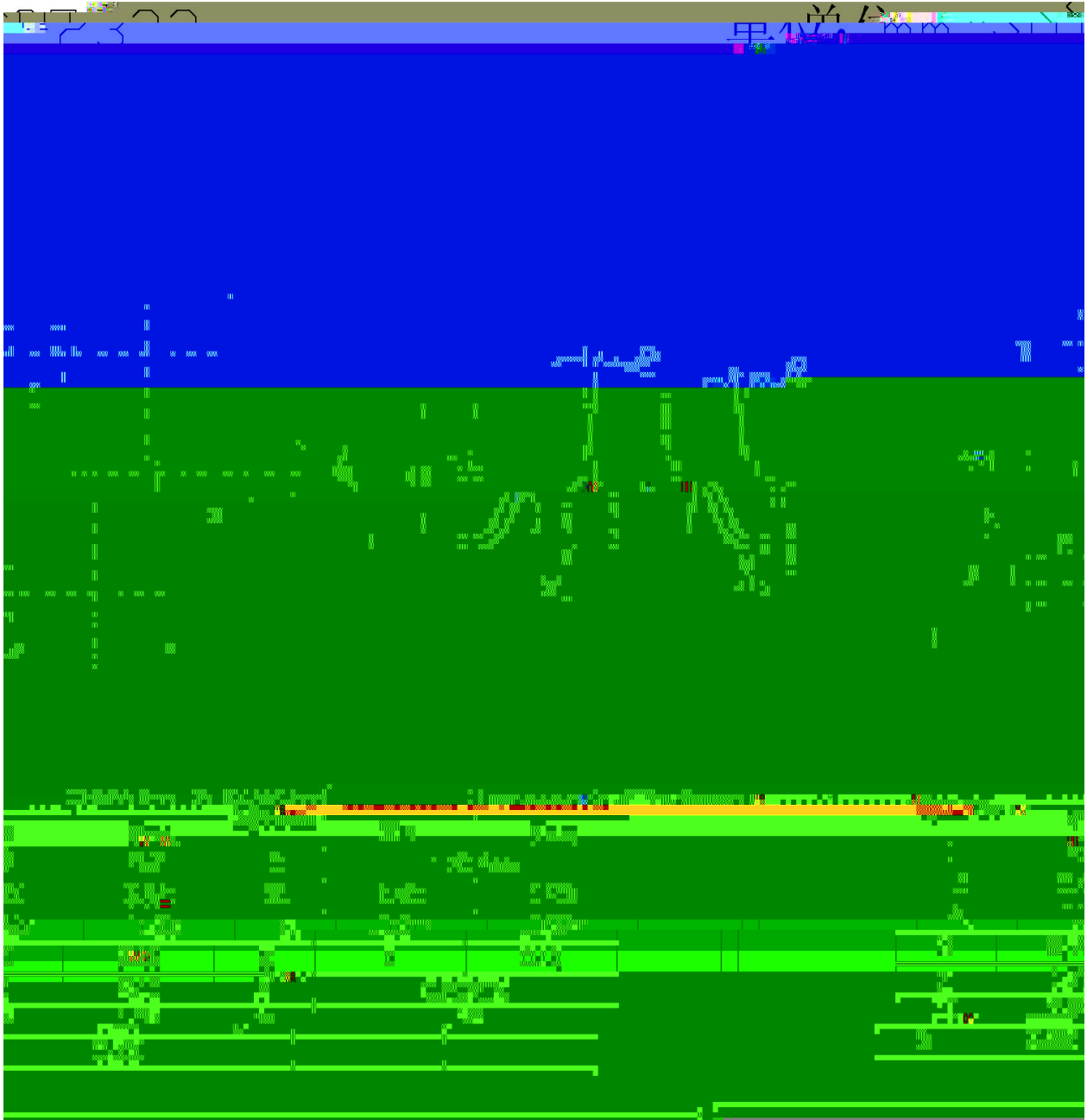
|                |           |
|----------------|-----------|
| $h_{FE}$ Range | 130   630 |
| Marking        | HBK       |

| Parameter                    | Symbol    | Rating | Unit |
|------------------------------|-----------|--------|------|
| Collector to Base Voltage    | $V_{CBO}$ | -45    | V    |
| Collector to Emitter Voltage | $V_{CEO}$ | -45    | V    |

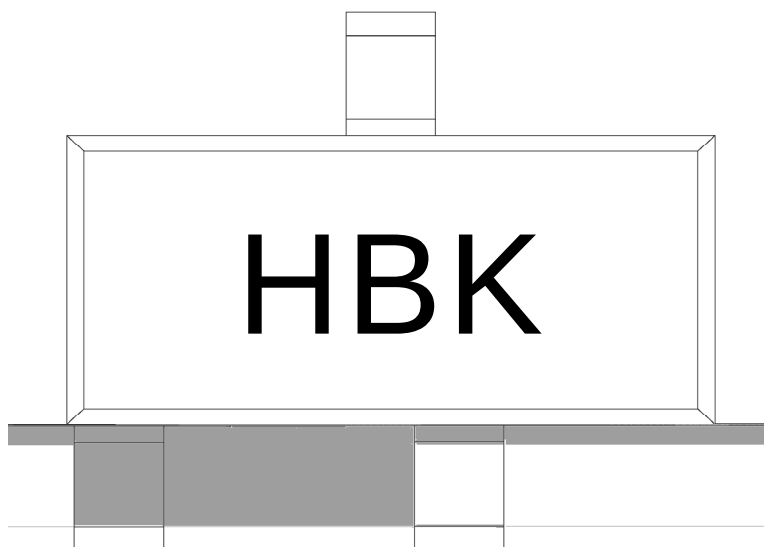
/ Electrical Characteristic Curve



## / Package Dimensions



**/ Marking Instructions**



H

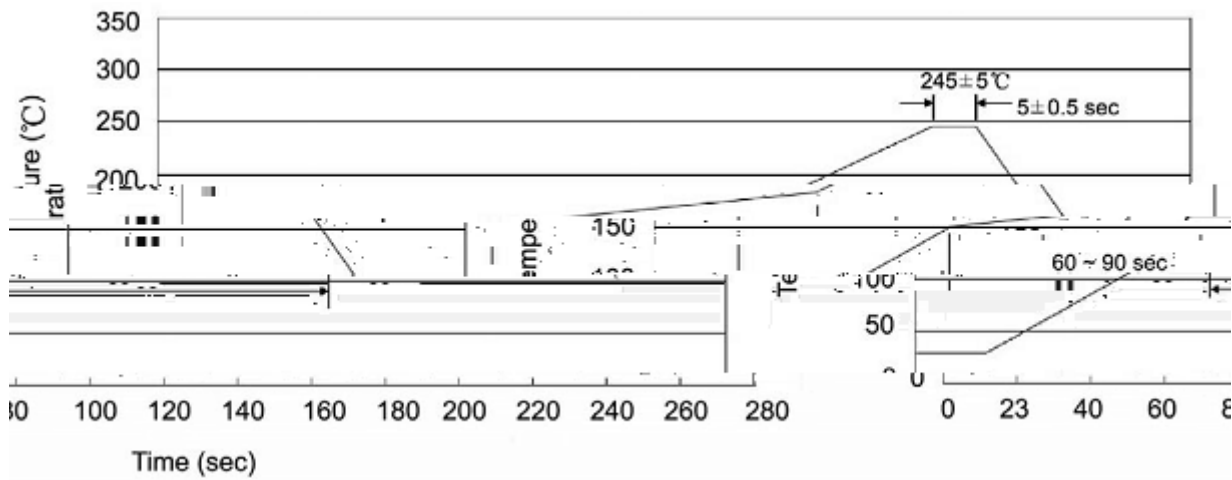
BK

Note:

H: Company Code

BK: Product Type Code

( ) / 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<br>/ | Reels/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Reel                              | Inner Box   | Outer Box   |
| SOT-23       | 3,000           | 10                   | 30,000               | 6                          | 180,000              | 7 ×8                              | 180×120×180 | 390×385×205 |

/ Notices