

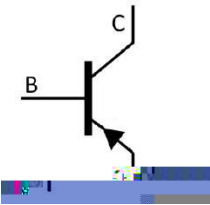
Rev.F Apr.-2017

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

300mA

high current gain at collector currents to 300 mA.

General purpose amplifier.



PIN1 Base          PIN 2 Emitter          PIN 3 Collector

|                |         |
|----------------|---------|
| $h_{FE}$ 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    |

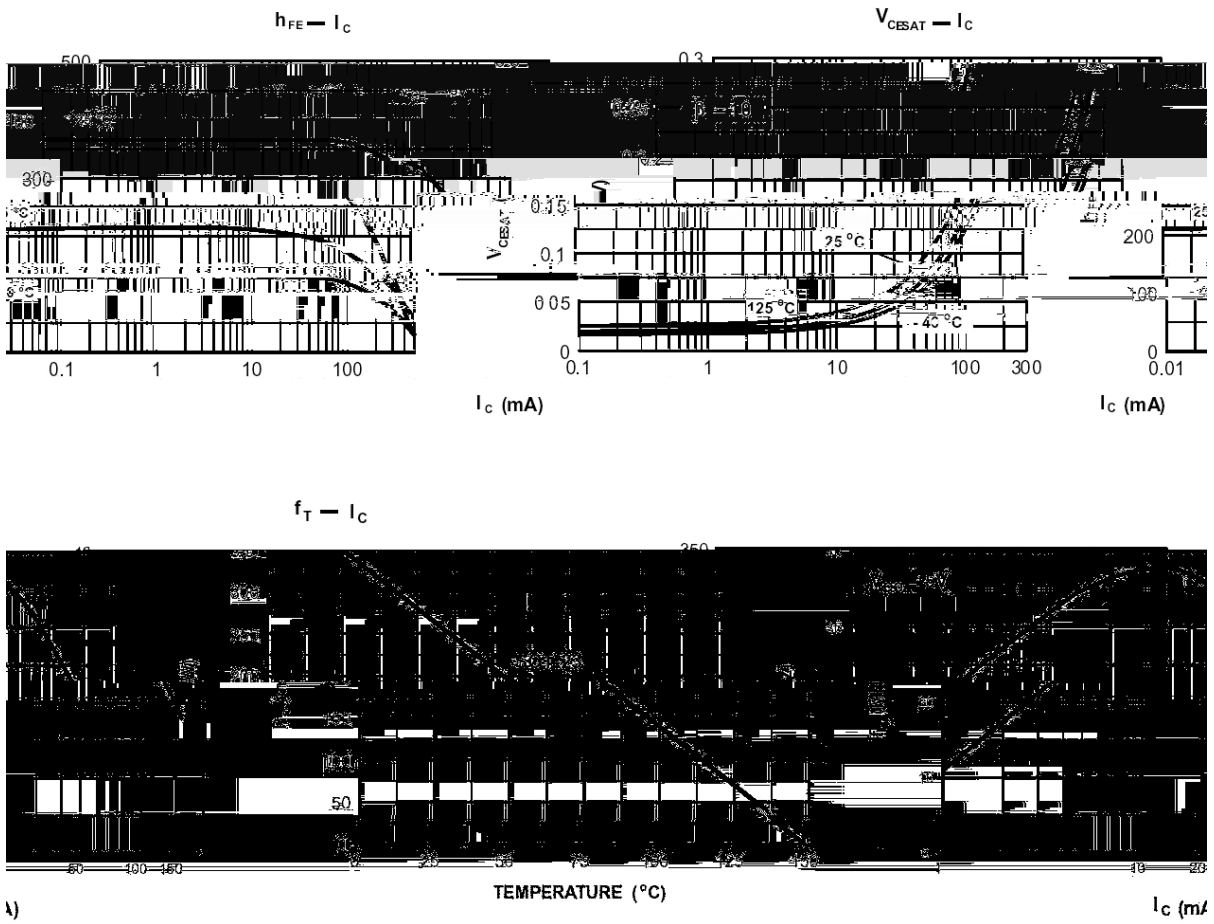
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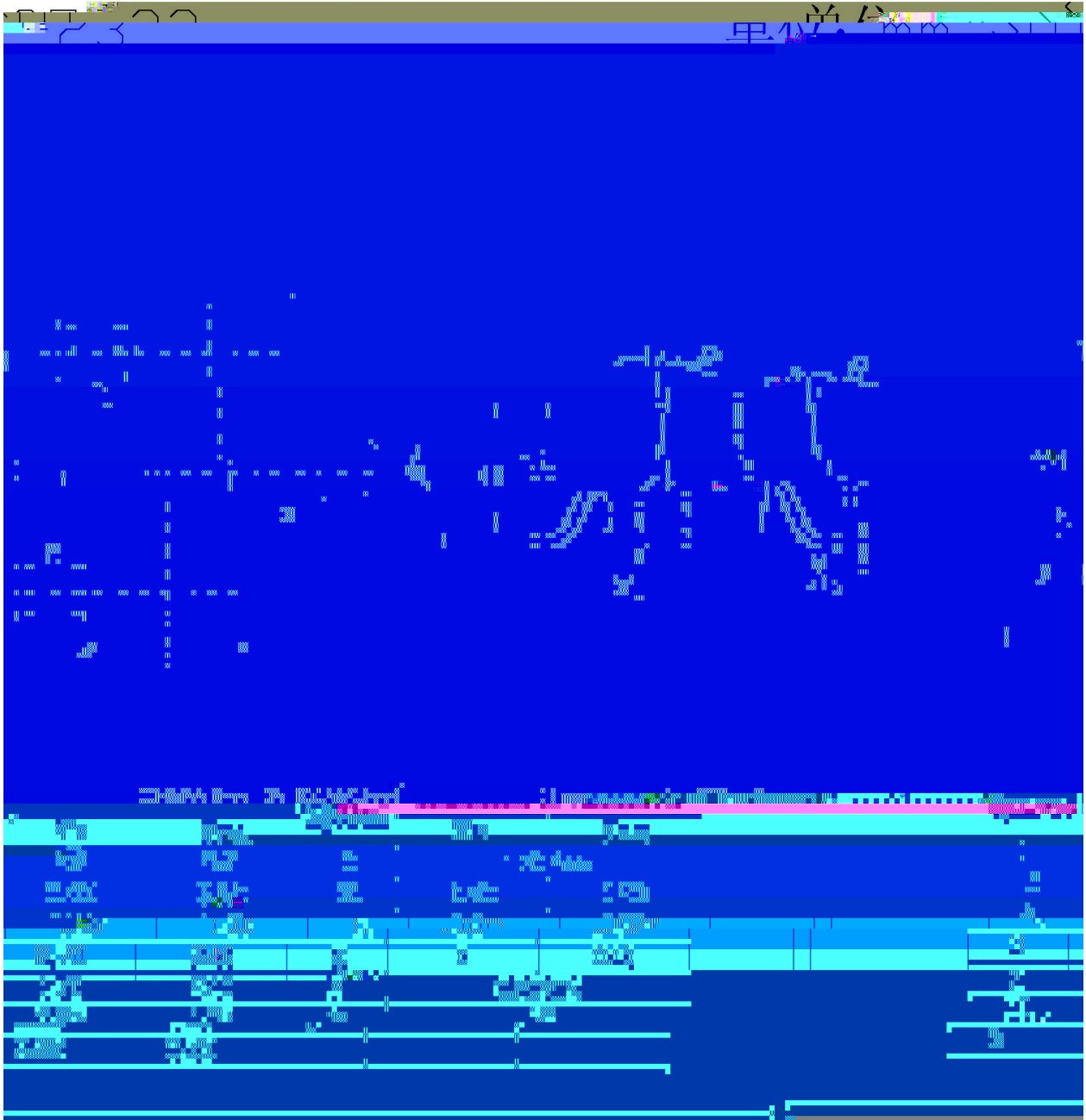
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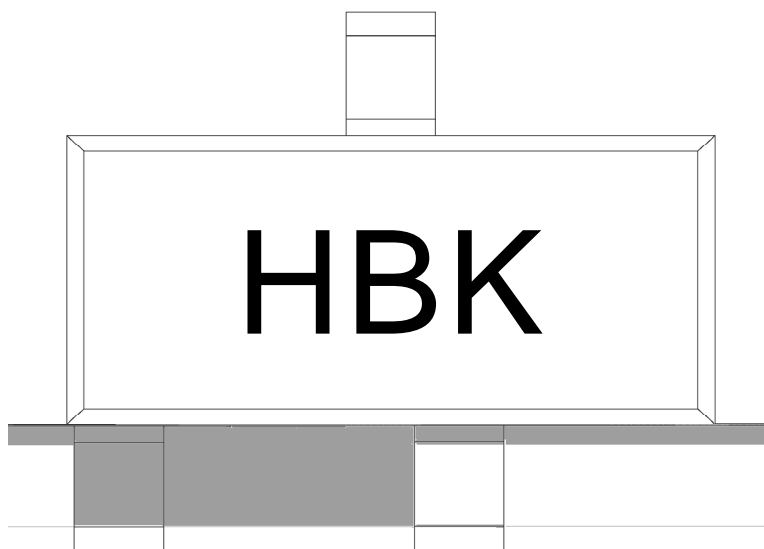
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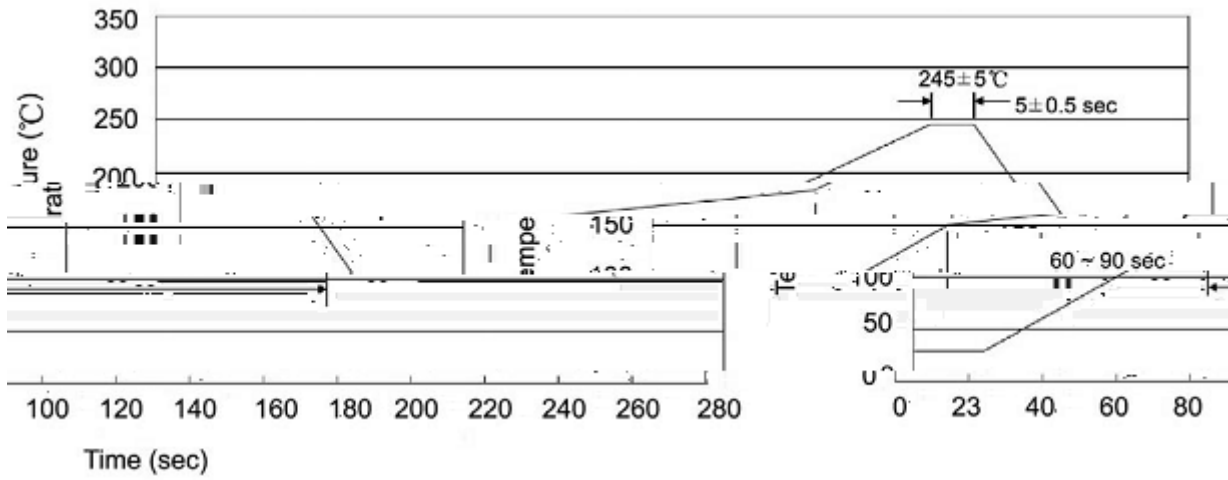
H

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±0.5 | sec;   | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 |       | 2   | 10    | /sec.  | 3. Cooling Speed: 2~10 /sec.            |

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ 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 ×8                              | 180×120×180 | 390×385×205 |