

**/ Descriptions**

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

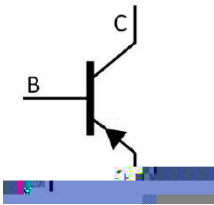
**/ Features**

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

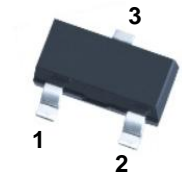
**/ Applications**

General purpose amplifier.

**/ Equivalent Circuit**



**/ Pinning**



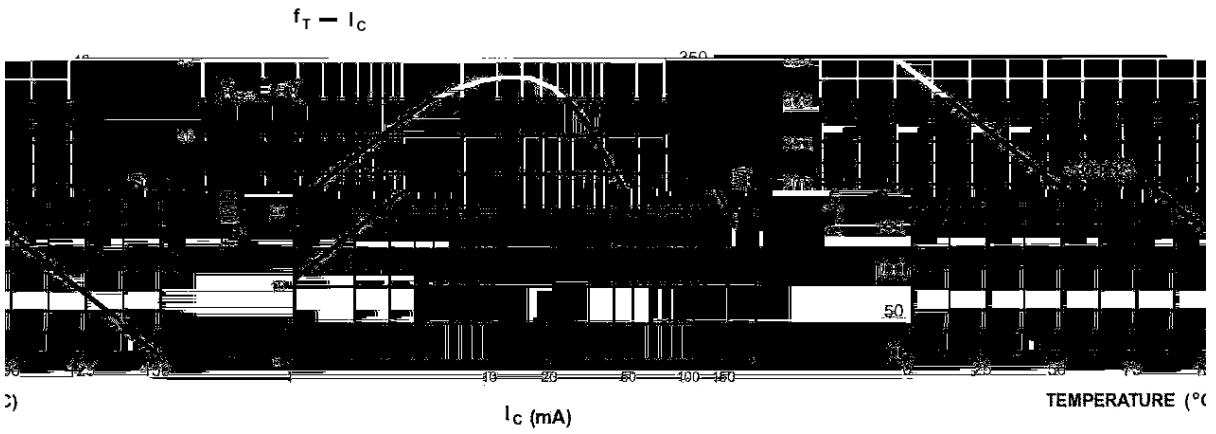
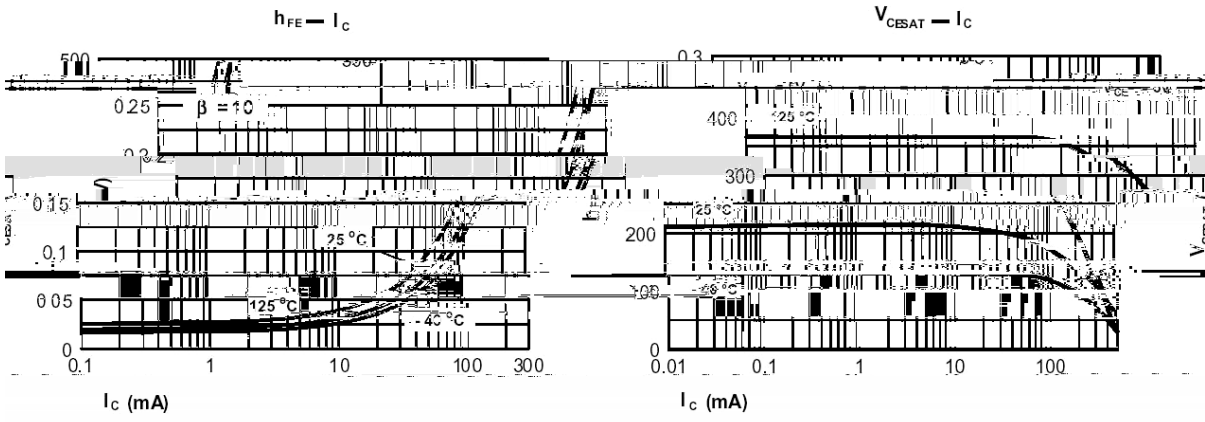
PIN1 Base          PIN 2 Emitter          PIN 3 Collector

**/ h<sub>FE</sub> Classifications & Marking**

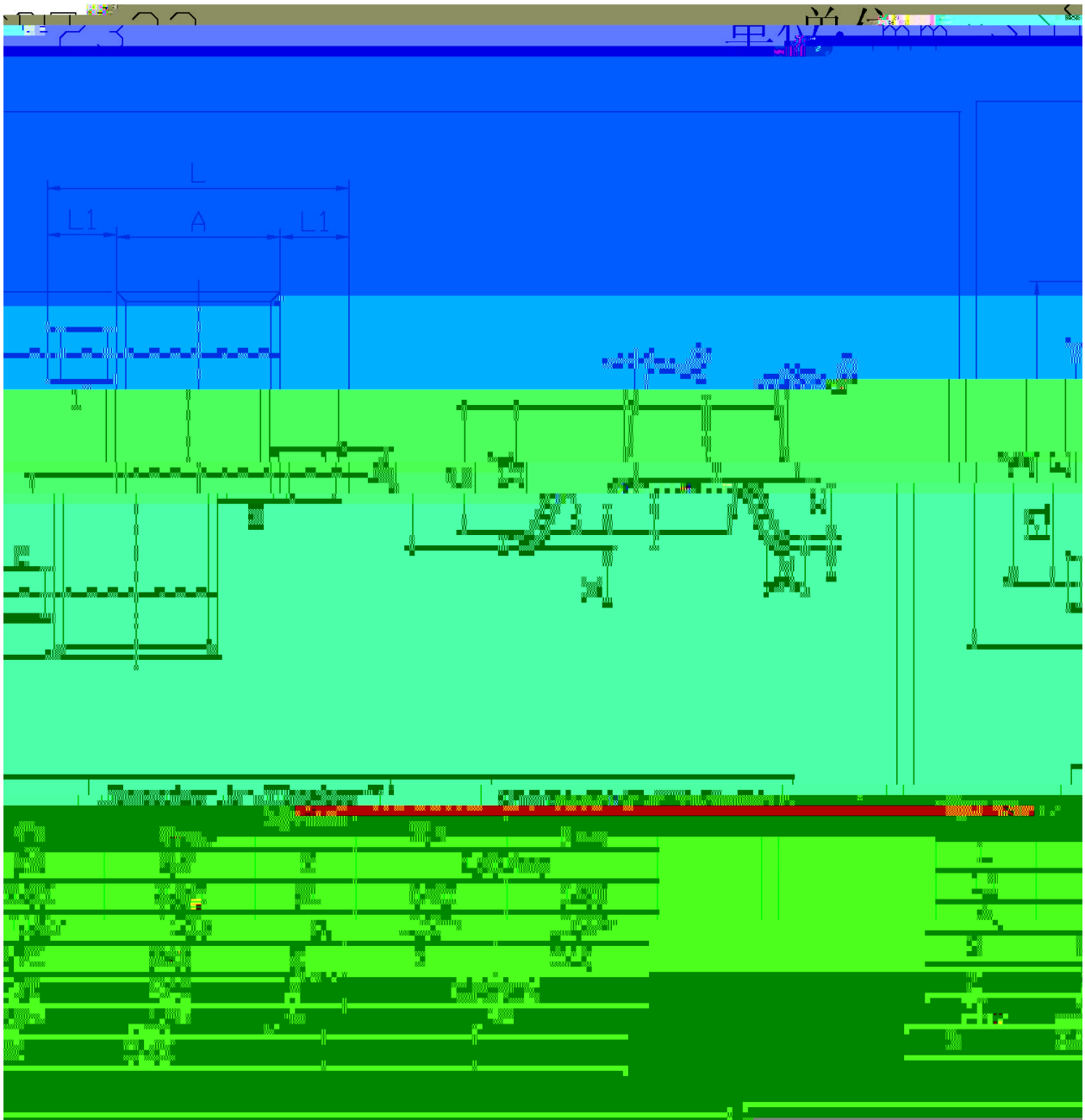
h <sub>FE</sub> Range	130 630
Marking	HBK

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

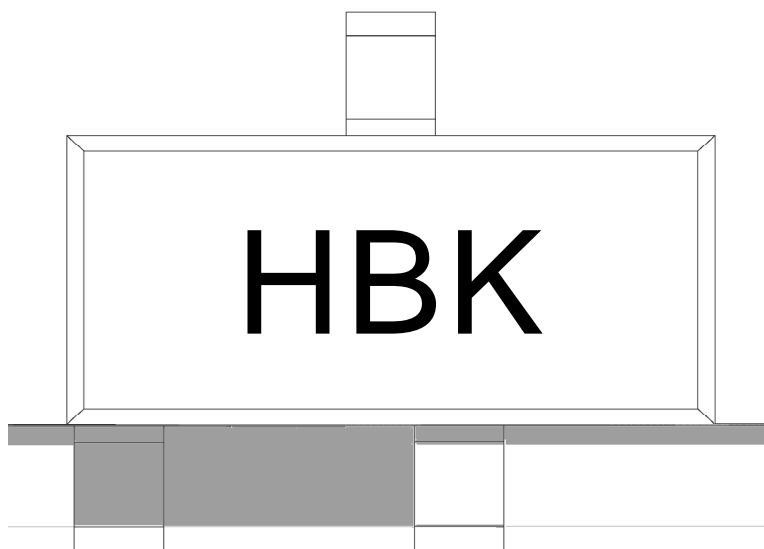
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



H

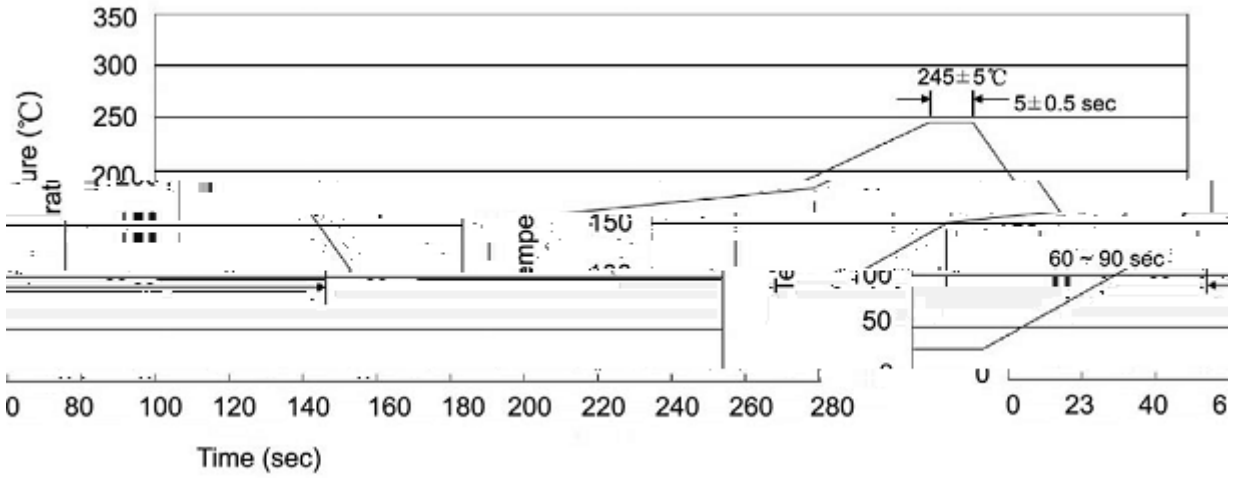
BK

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±0.5 | sec;     | 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-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices