

**/ Descriptions**

Silicon NPN transistor in a SOT-23 Plastic Package.

**/ Features**

Low  $C_{ob}$ .

**/ Applications**

General amplifier.

**/ Equivalent Circuit**



**/ Pinning**



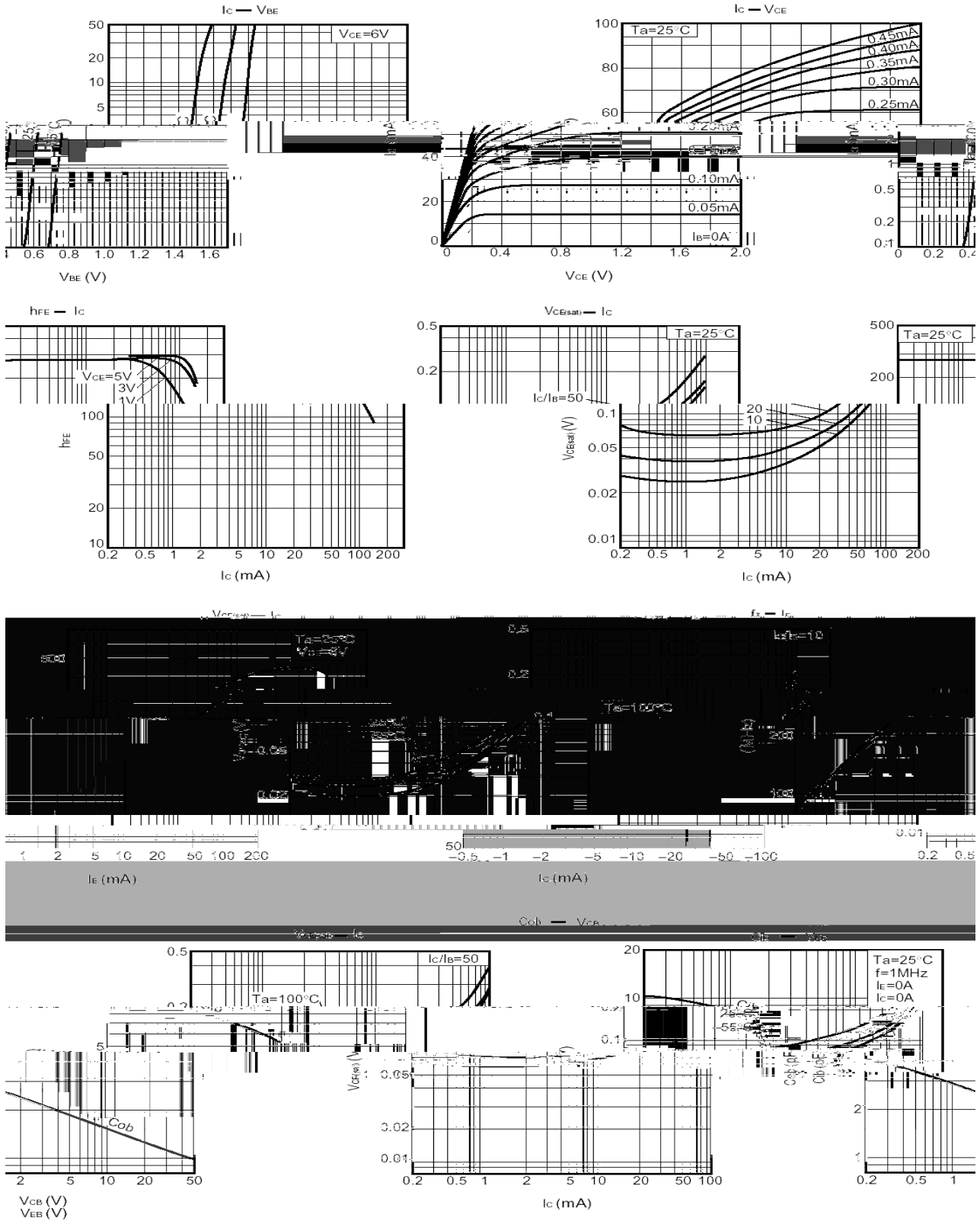
PIN1 Base      PIN 2 Emitter      PIN 3 Collector

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

$h_{FE}$ Classifications Symbol	Q	R	S
$h_{FE}$ Range	120 270	180 390	270 560
Marking	BHQ	BHR	BHS

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	60	V

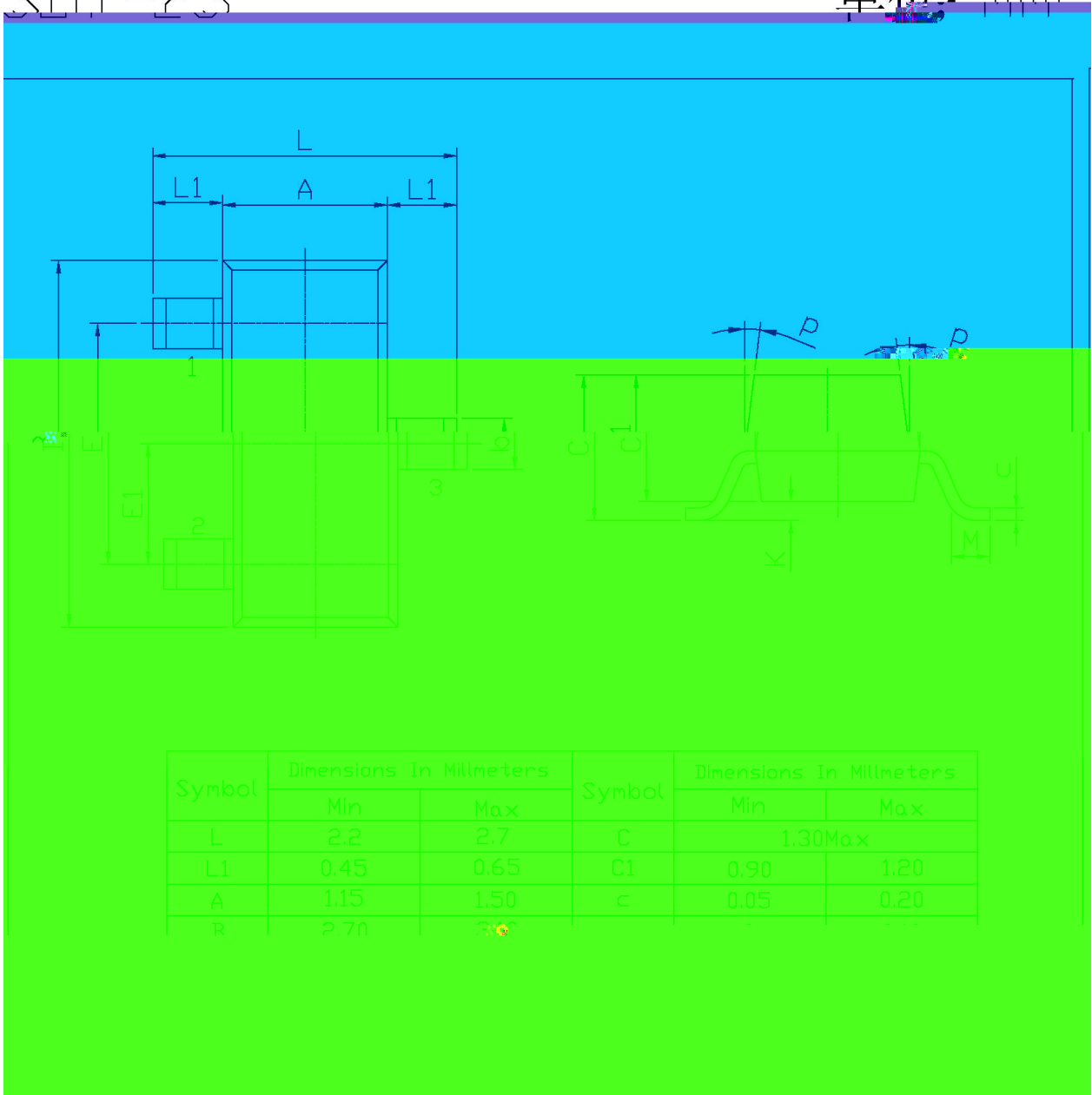
**/ Electrical Characteristic Curve**



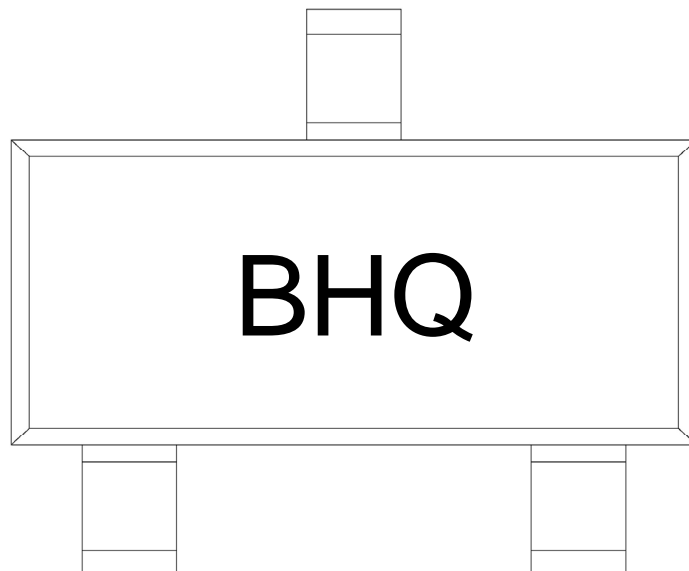
/ Package Dimensions

SOT-23

单位: mm



/ Marking Instructions



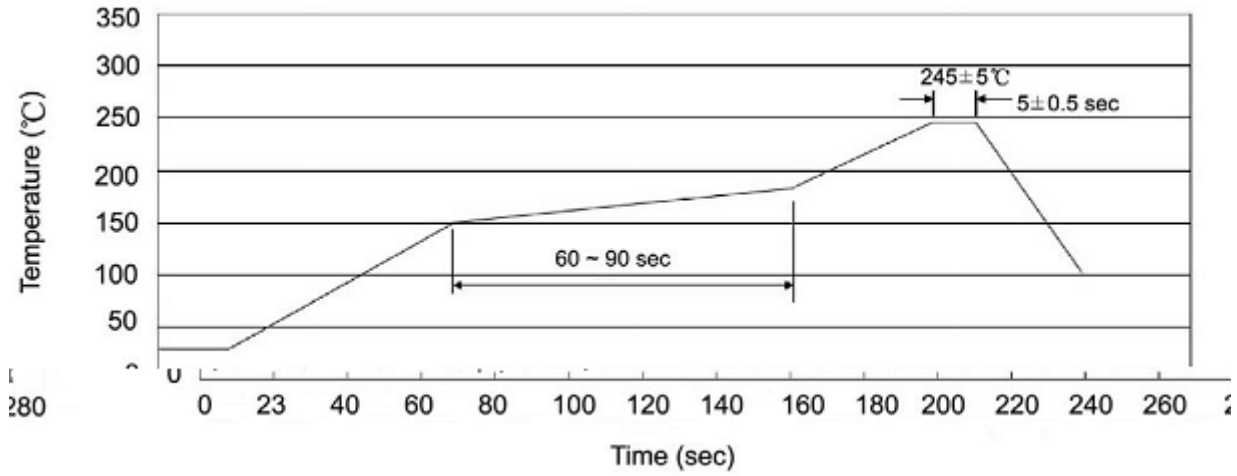
Note:

Product Type Code

Company Code

$h_{FE}$  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°C                      Time:10±1 sec

**/ Packaging SPEC.**

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

**/ Notices**