

# BC807

Rev.F Apr.-2017

## / Descriptions

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

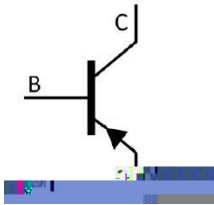
## / Features

$I_C$           BC817  
High  $I_C$ , complementary pair with BC817.

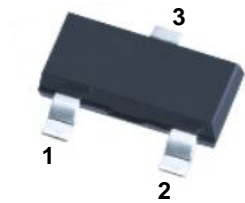
## / Applications

General power amplifier and switching applications

## / Equivalent Circuit



## / Pinning



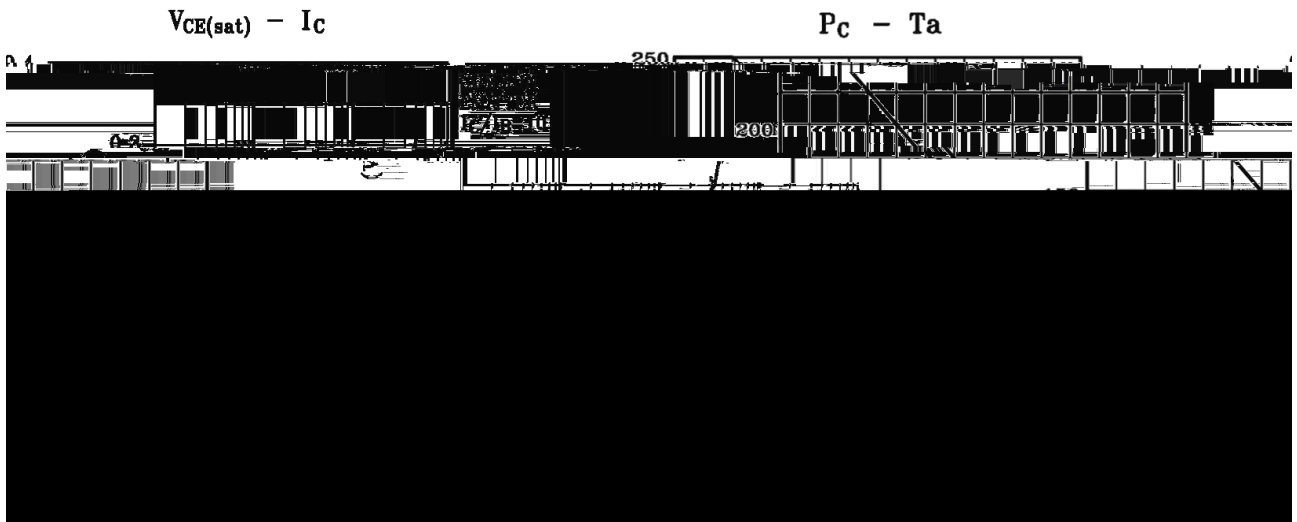
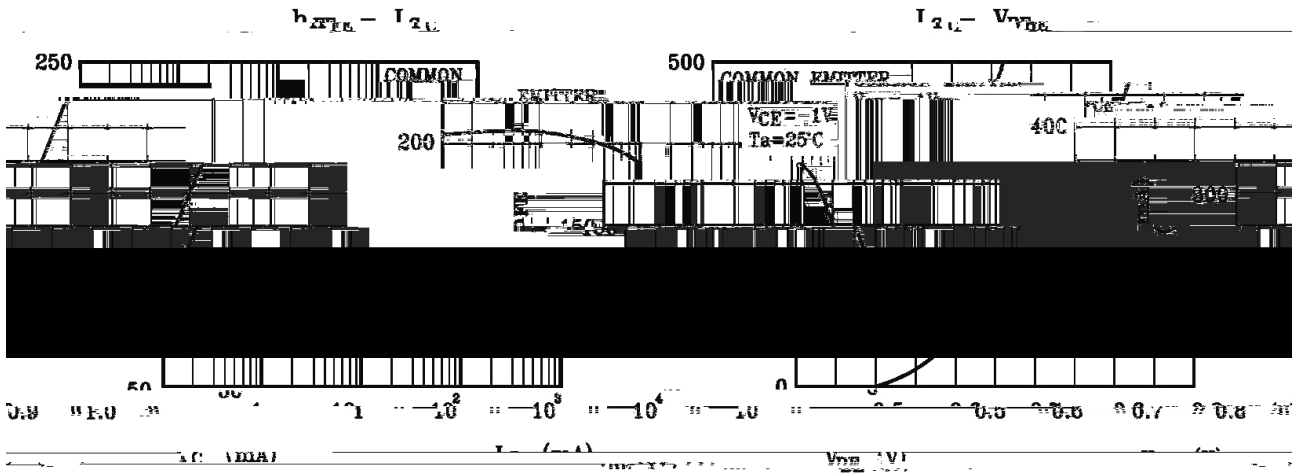
PIN1 Base          PIN 2 Emitter          PIN 3 Collector

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

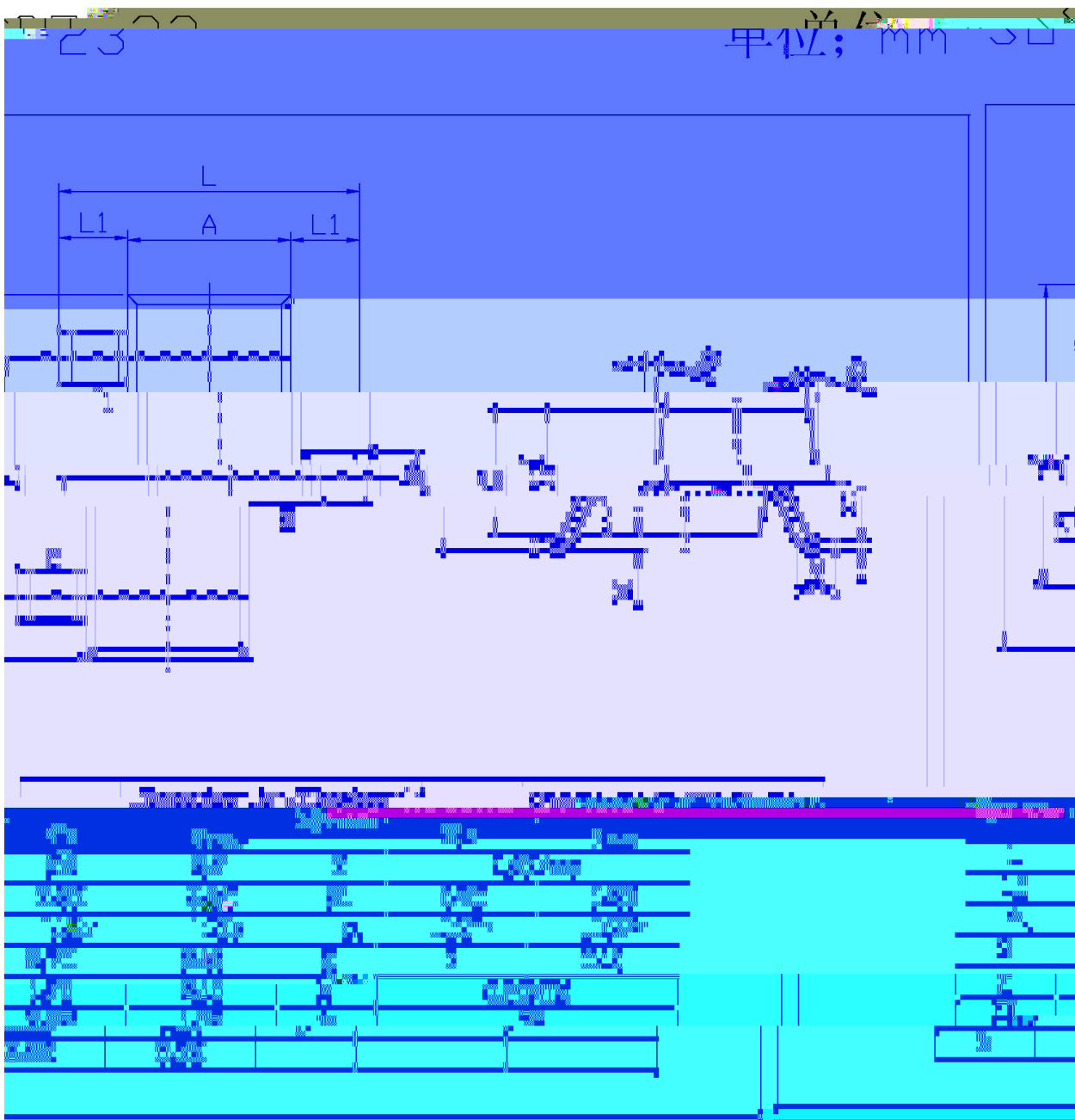
$h_{FE}$ Classifications Symbol	16	25	40
$h_{FE}$ Range	100 250	160 400	250 600
Marking	H5A	H5B	H5C

Parameter

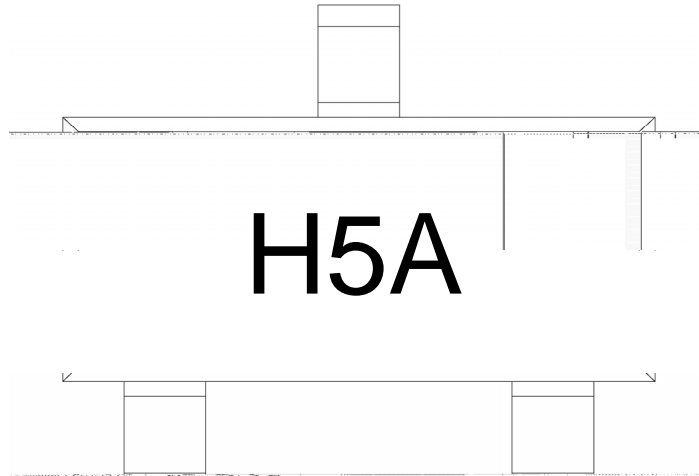
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



H

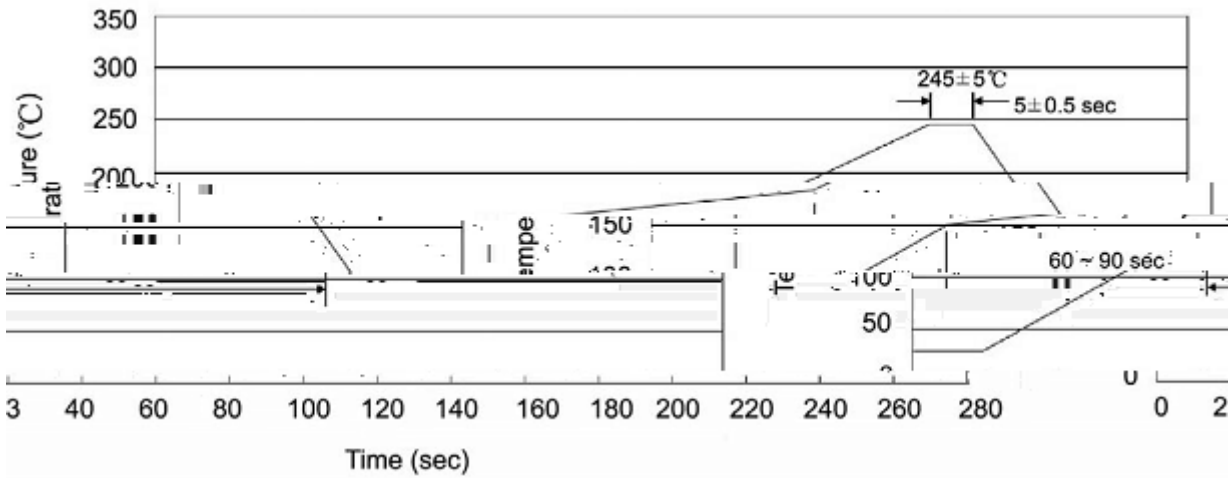
5A

Note:

H: Company Code.

5A: 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 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