## / Descriptions

Silicon PNP transistor in a SOT-23 Plastic Package.

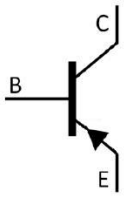
## / Features

Excellent $h_{FE}$ linearity, Complementary pair with 2SC2412K.

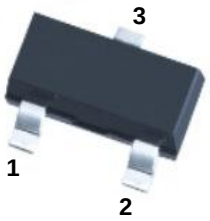
## / Applications

General amplifier applications.

## / Equivalent Circuit




## / Pinning

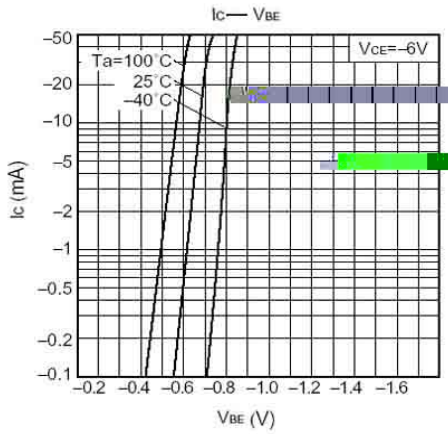


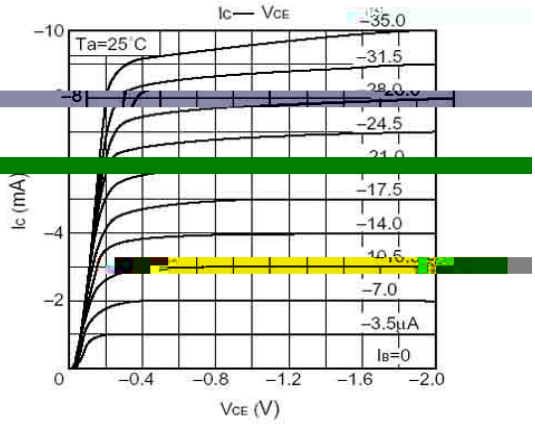

PIN1 Base PIN 2 Emitter PIN 3 Collector

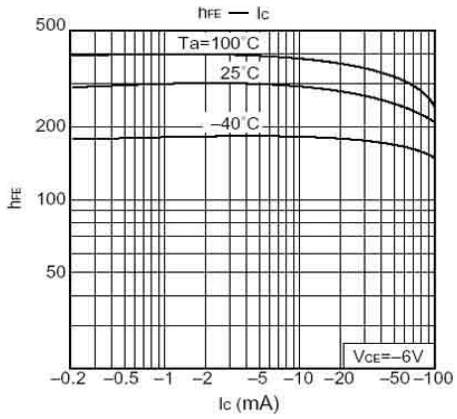
## / $h_{FE}$ Classifications & Marking

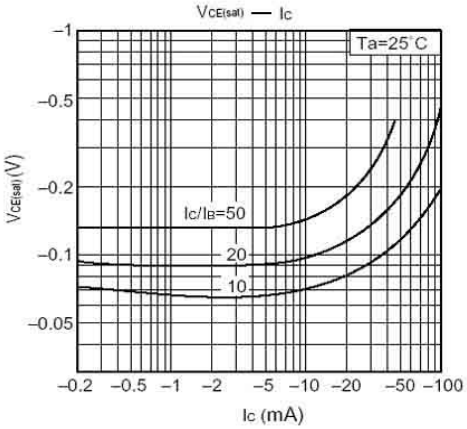
| $h_{FE}$ Classifications Symbol | Q | R | S |
|---|---|---|---|
| $h_{FE}$ Range | 120 270 | 180 390 | 270 560 |
| Marking | HFQ | HFR | HFS |

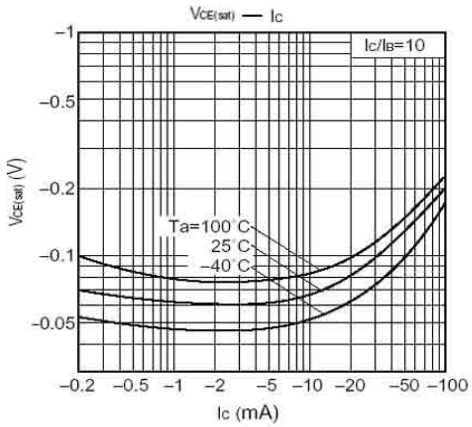
## / Electrical Characteristic Curve

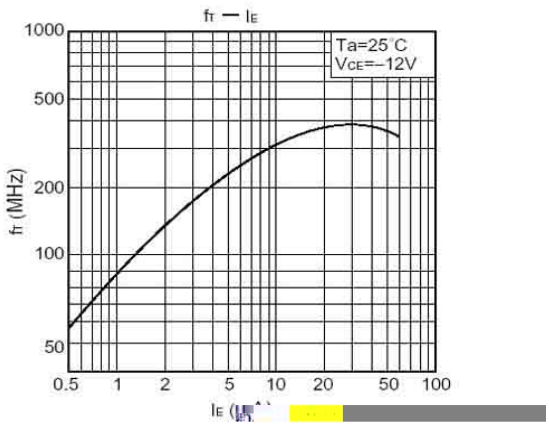


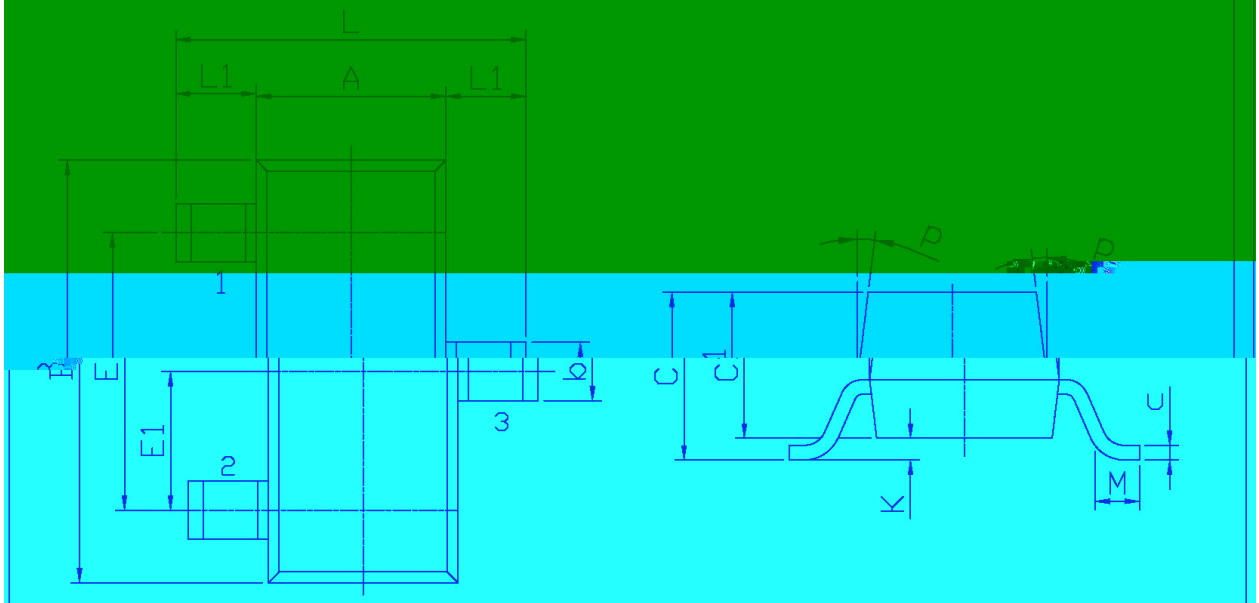



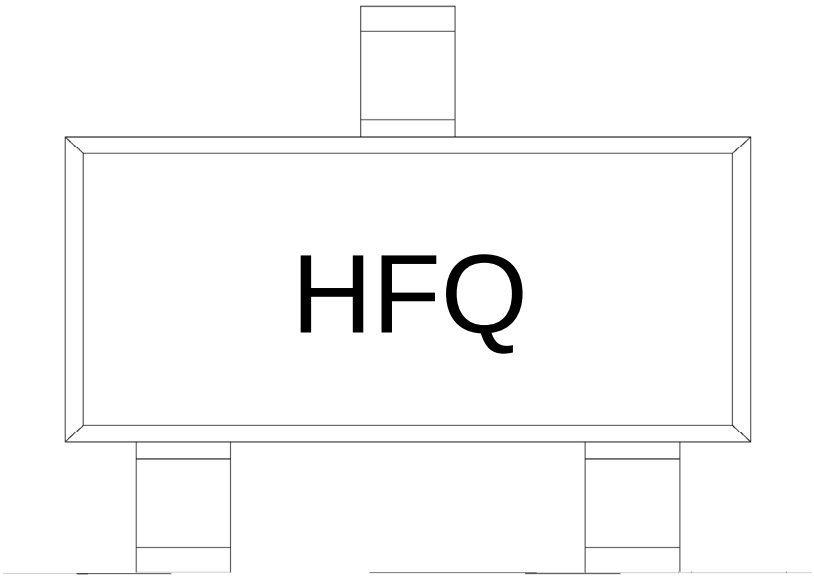
## / Package Dimensions

SOT-23 单位：mm




| Symbol | Dimensions In Millmeters | | Symbol | Dimensions In Millmeters | |
|---|---|---|---|---|---|
| | Min | Max | | Min | Max |
| L | 2.2 | 2.7 | C | 1.30Max | |
| L1 | 0.45 | 0.65 | C1 | 0.90 | 1.20 |
| A | 1.15 | 1.50 | c | 0.05 | 0.20 |
| B | 2.70 | 3.10 | K | 0 | 0.10 |
| E | 1.70 | 2.10 | M | 0.20MIN | |
| E1 | 0.85 | 1.05 | P | 7° | |
| b | 0.35 | 0.55 | | | |

## / Marking Instructions




$h_{FE}$

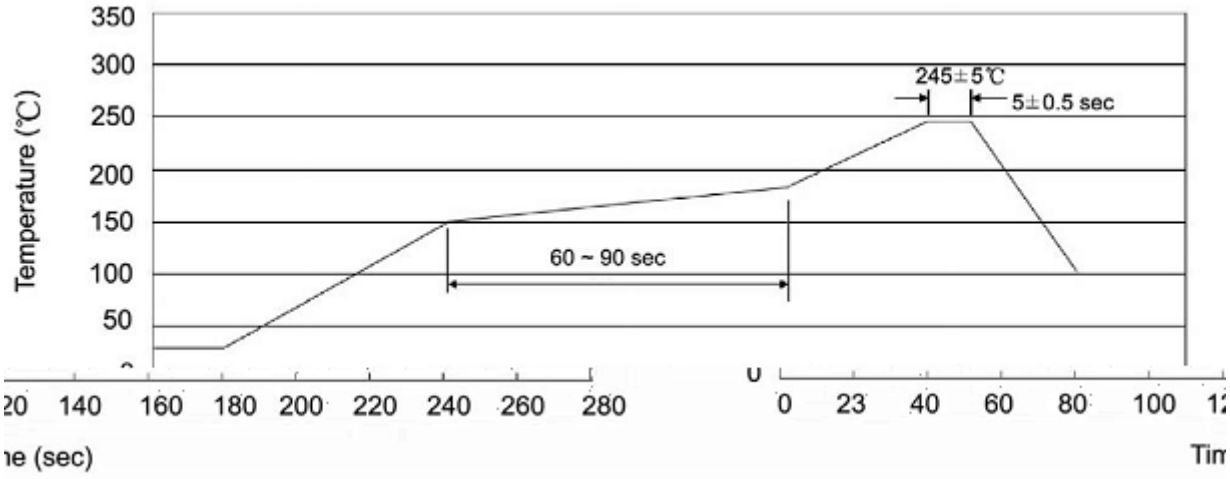
Note:

H: Company Code.

F: Product Type Code

Q: $h_{FE}$ 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℃ | Time:10±1 sec |

## / Packaging SPEC.

/ REEL

| Package Type 封装形式 | Units 包装数量 | | | | | Dimension 包装尺寸 (unit: $mm^3$) | | |
|---|---|---|---|---|---|---|---|---|
| | 只 卷盘 | 卷盘 盒 | 只 盒 | 盒 箱 | 只 箱 | | 盒 | 箱 |
| | | | | | | | | |

## / Notices