## / Descriptions

Silicon PNP transistor in a SOT-23 Plastic Package.

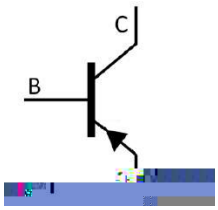
## / Features

Complementary pair with S8050MG,HF Product.

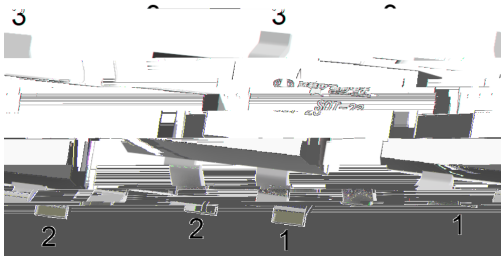
## / Applications

Power amplifier applications.

## / Equivalent Circuit




## / Pinning




PIN1 Base PIN 2 Emitter PIN 3 Collector

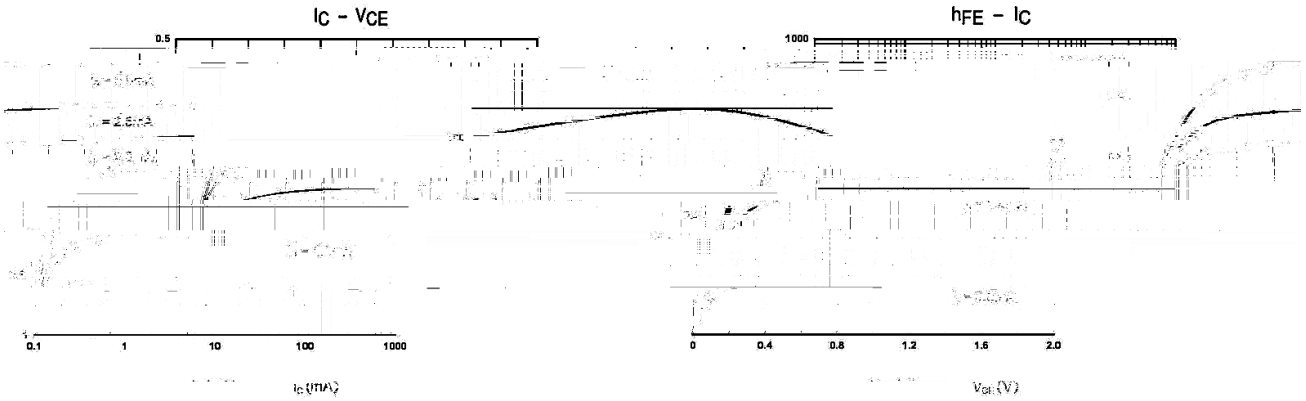
## / $h_{FE}$ Classifications & Marking

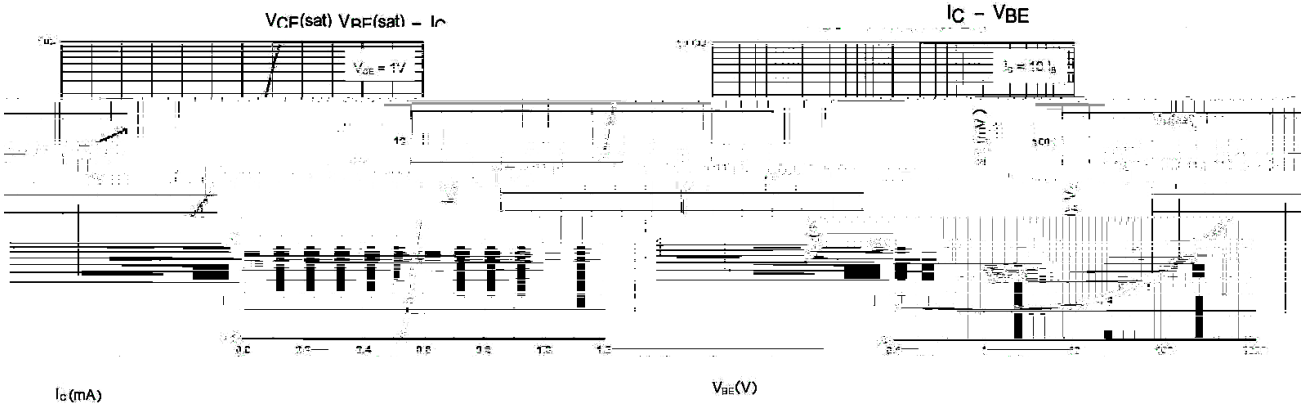
| $h_{FE}$ Classifications Symbol | B | C | D |
|---|---|---|---|
| $h_{FE}$ Range | 85 160 | 120 200 | 160 300 |
| Marking | GY4B | GY4C | GY4D |

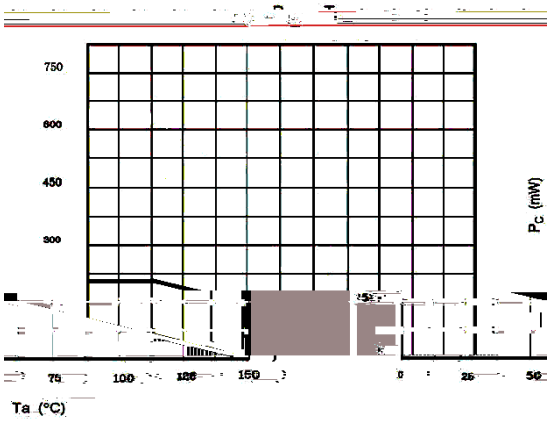
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -40 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -25 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -6.0 | V |
| Collector Current | $I_C$ | -800 | mA |
| Base Current | $I_B$ | -200 | mA |
| Collector Power Dissipation | $P_C$ | 200 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -65 150 | |

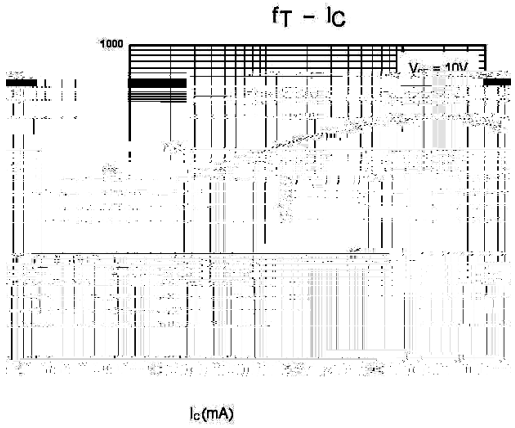
| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Collector to Base Breakdown Voltage | $V_{CBO}$ | $I_C$=-0.1mA $I_E$=0 | -40 | | | V |
| Collector to Emitter Breakdown Voltage | $V_{CEO}$ | $I_C$=-2.0mA $I_B$=0 | -25 | | | V |

## / Electrical Characteristic Curve

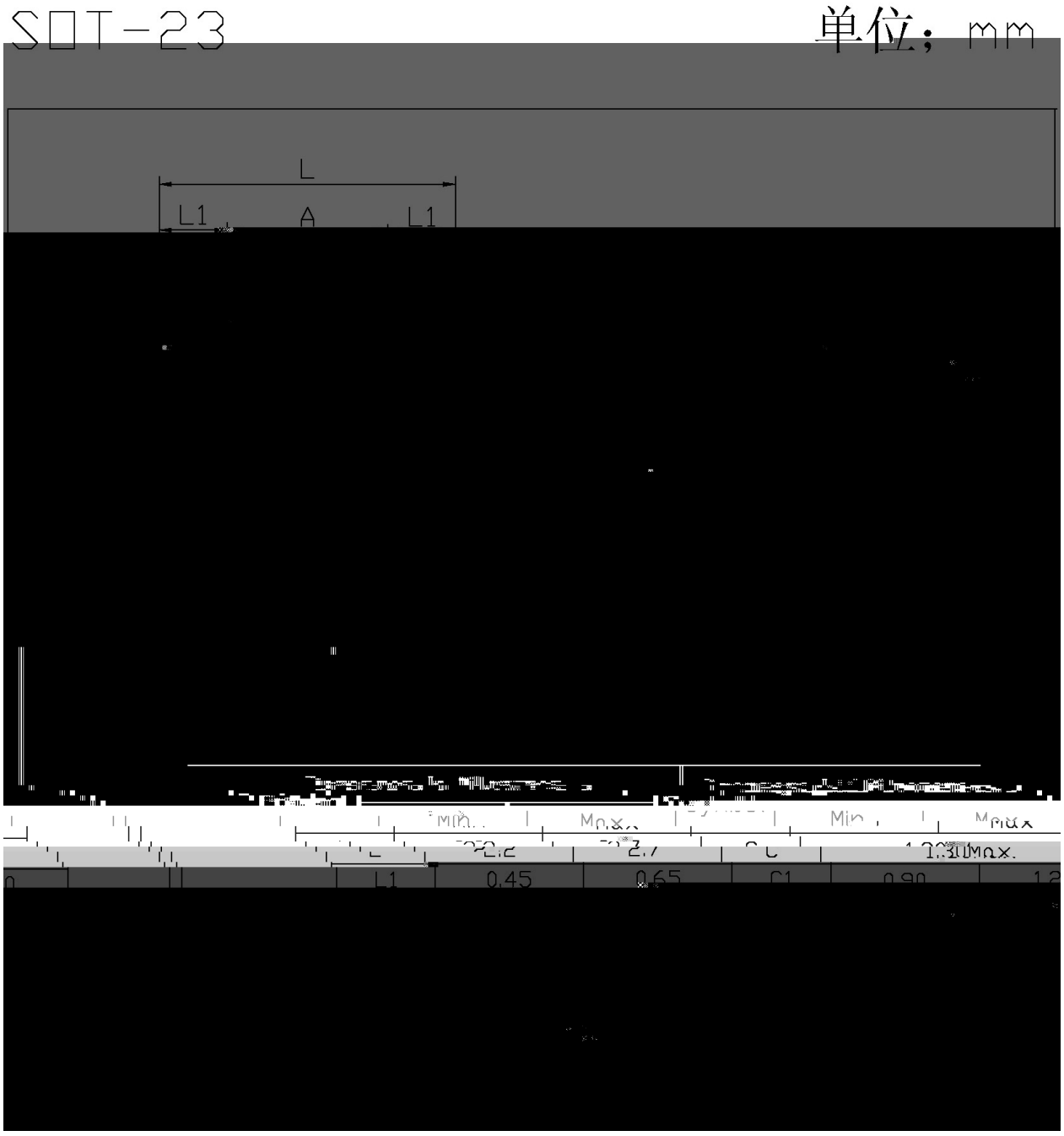


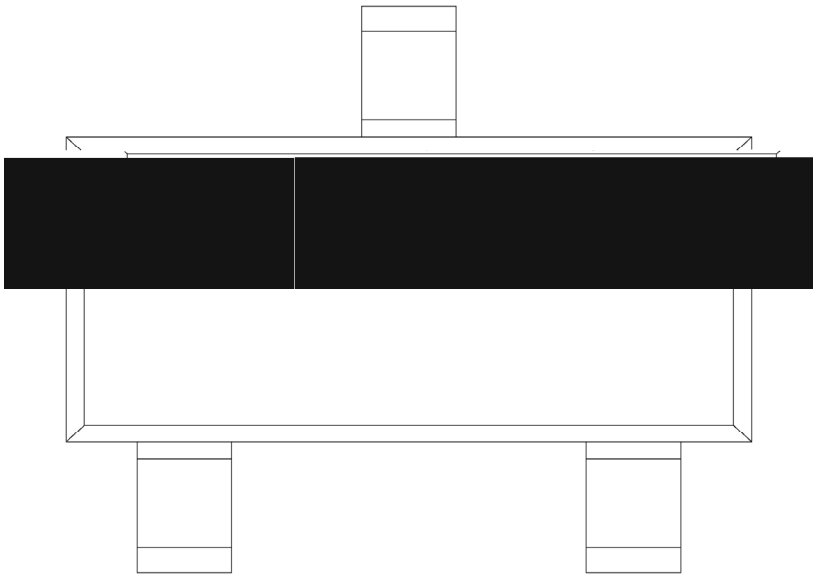



## / Package Dimensions



## / Marking Instructions



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Note:

1 150 180 60