

/ Descriptions

SOT-23

NPN

Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

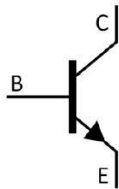
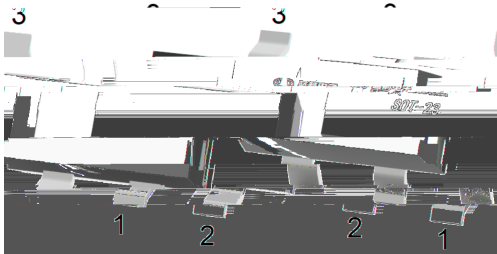
BRS8550MQ

AEC-Q101

Complementary pair with BRS8550MQ, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

Power amplifier applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit**/ Pinning**

PIN1 Base

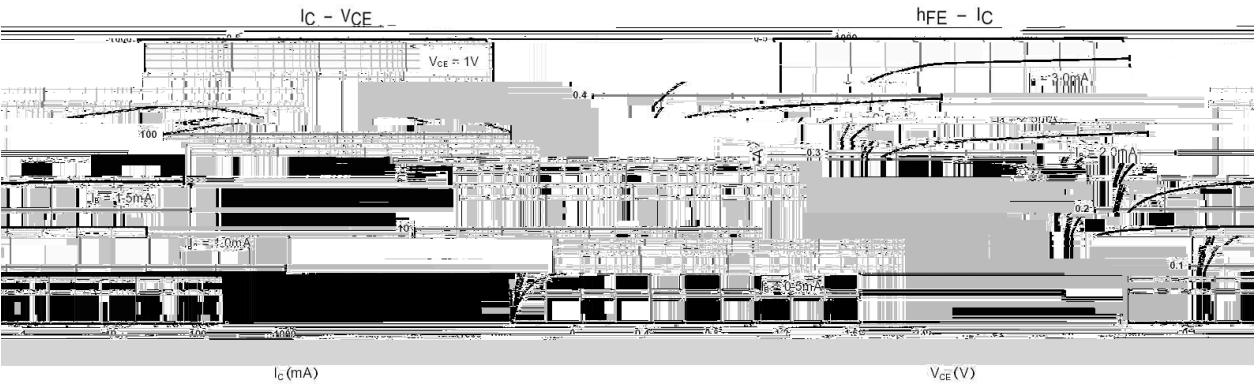
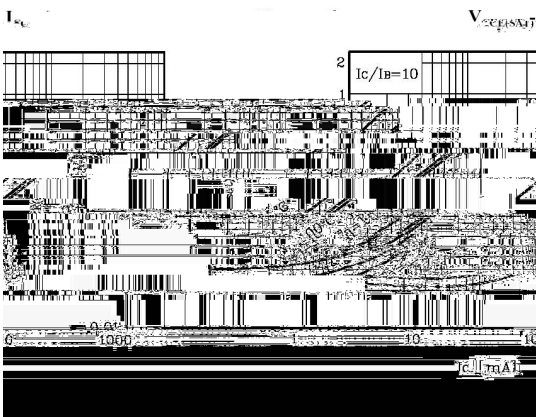
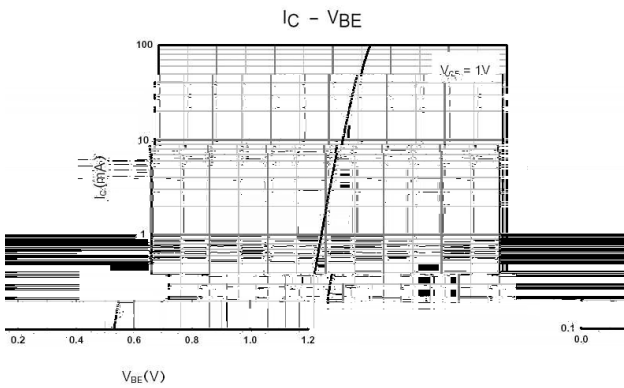
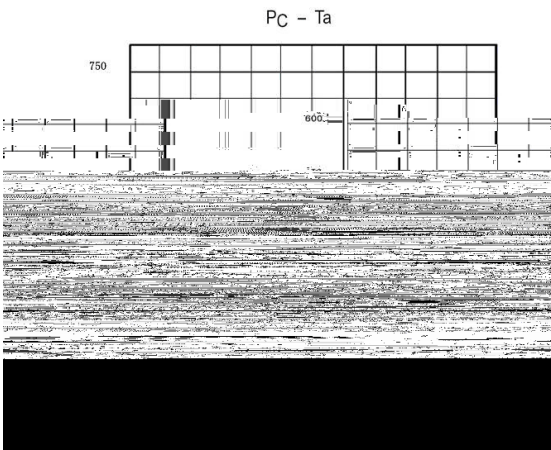
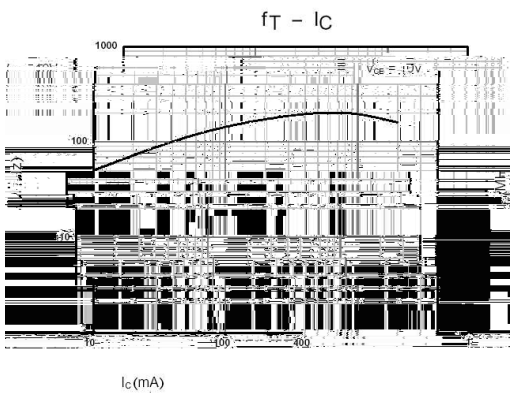
PIN 2 Emitter

PIN 3 Collector

/ h_{FE} Classifications & Marking

h _{FE} Classifications Symbol	B	C	D
h _{FE} Range	85 160	120 200	160 300
Marking	QY3B	QY3C	QY3D

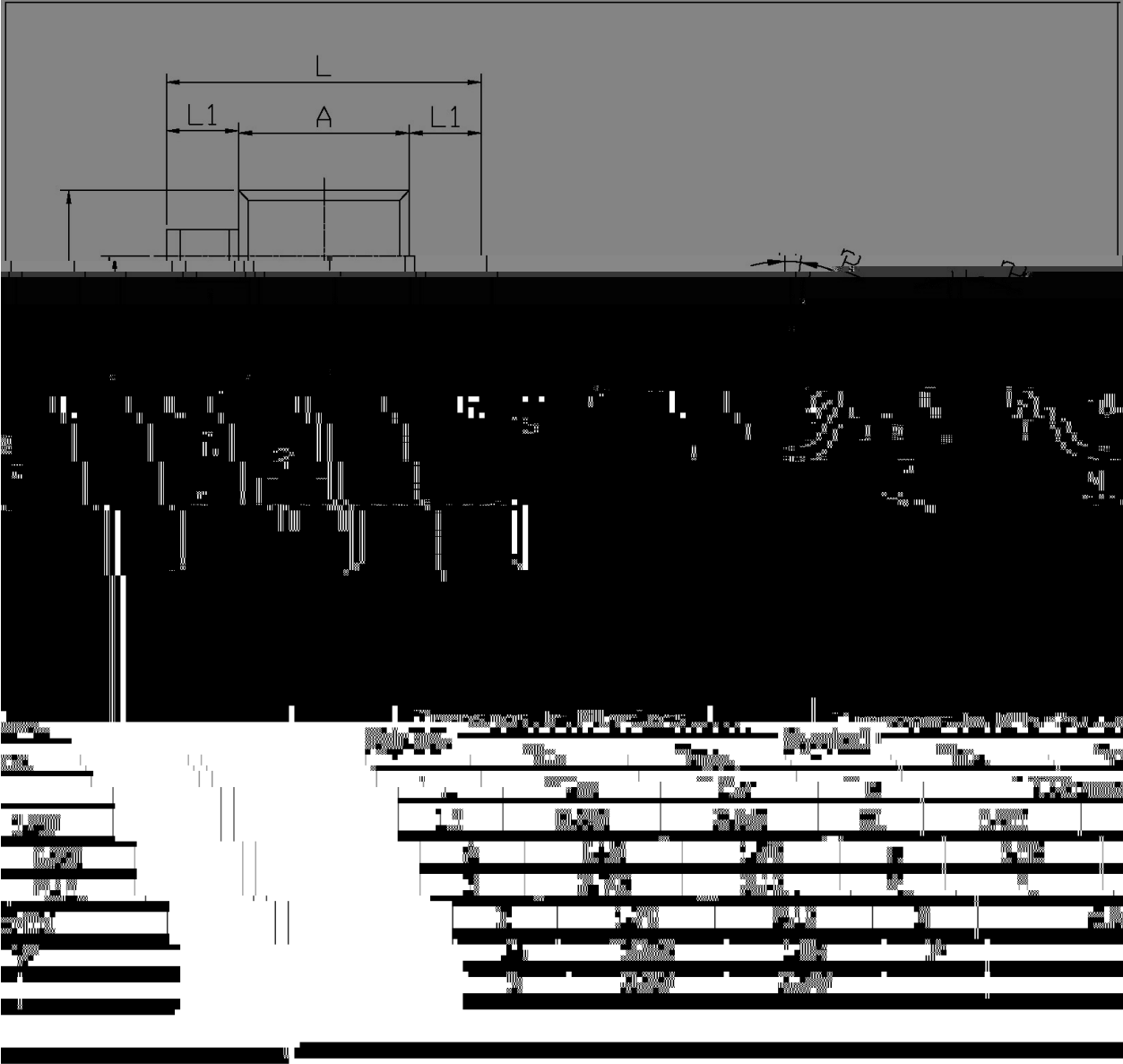
/ Electrical Characteristic Curve



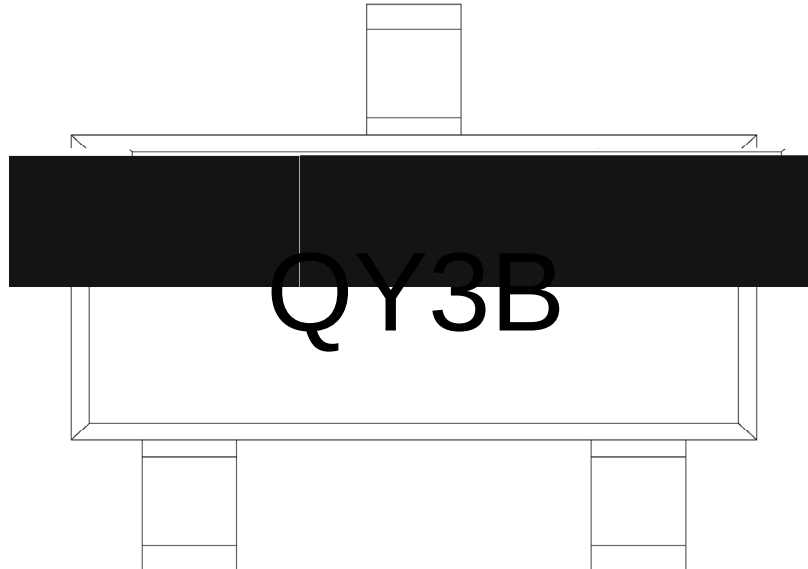
/ Package Dimensions

SOT-23

单位：mm



/ Marking Instructions



Q

" 3

h

h_{FE}

Note:

Q: Automobile halogen-free product Code

" 3

Product Type Code

h

h_{FE} Classifications Symbol Code

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1

150 200

60 120sec;

1.Preheating:150~200 , Time:60~120sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±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 mm³