

一、Y / Descriptions

SOT-89 NPN Silicon NPN transistor in a SOT-89 Plastic Package.

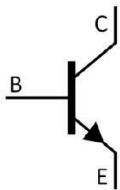
二、E / Features

h_{FE} , V_{CEO} , 2SA812T
High h_{FE} and V_{CEO} , complementary pair with 2SA812T.

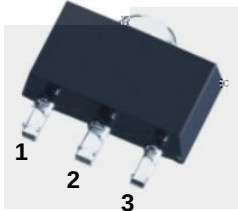
三、v / Applications

Audio frequency general amplifier application.

四、J ˆ ǔ ˆ / Equivalent Circuit



五、ã ˆ ũ ˆ / Pinning



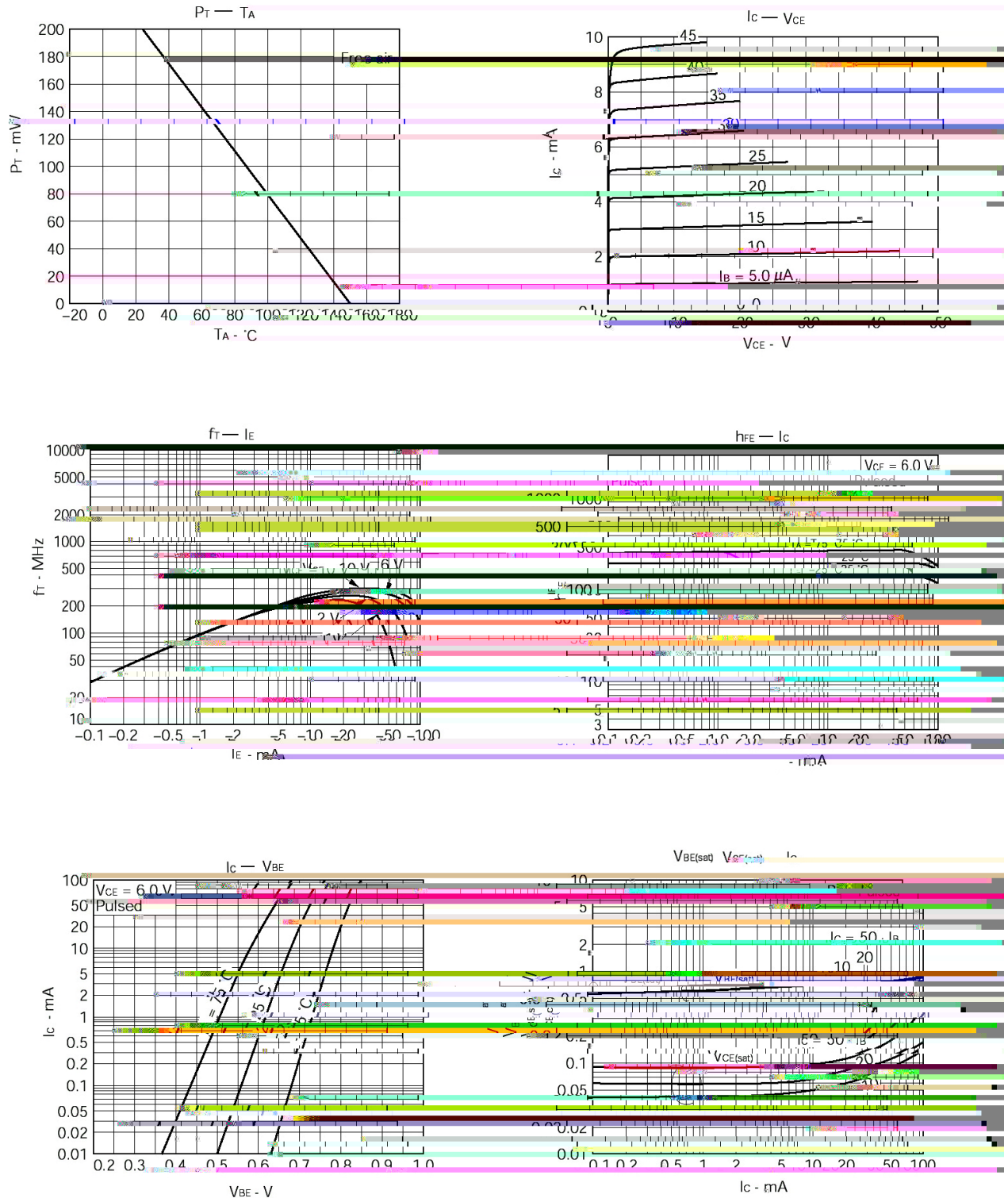
PIN1 Base PIN 2 Collector PIN 3 Emitter

六、H ˆ ˆ / Marking

h_{FE} Classifications Symbol	O	Y	G	L
h_{FE} Range	90ˆ 180	135ˆ 270	200ˆ 400	300ˆ 600
Marking	HL4	HL5	HL6	HL7

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current-Continuous	I_C	100	mA
w()Tj10.5 0	0	10.5	330.12

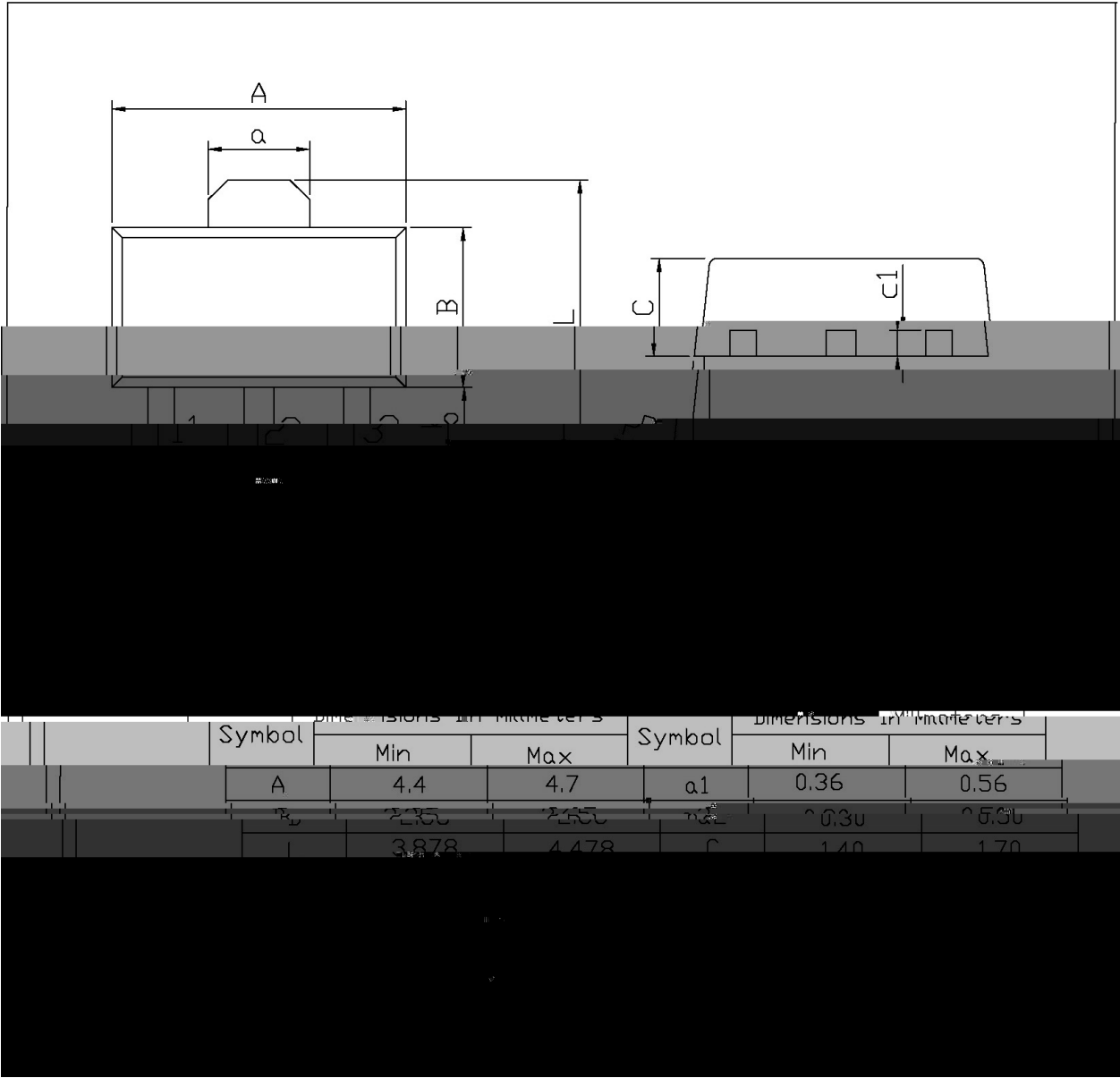
Electrical Characteristic Curve



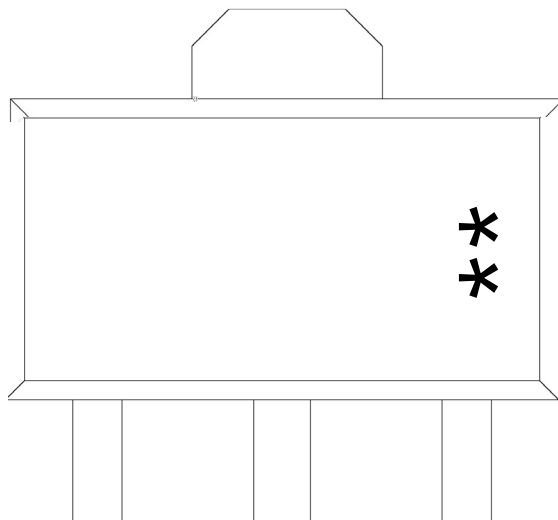
Package Dimensions

SOT-89

单位: mm



1. 标记 / Marking Instructions



H

L5

**

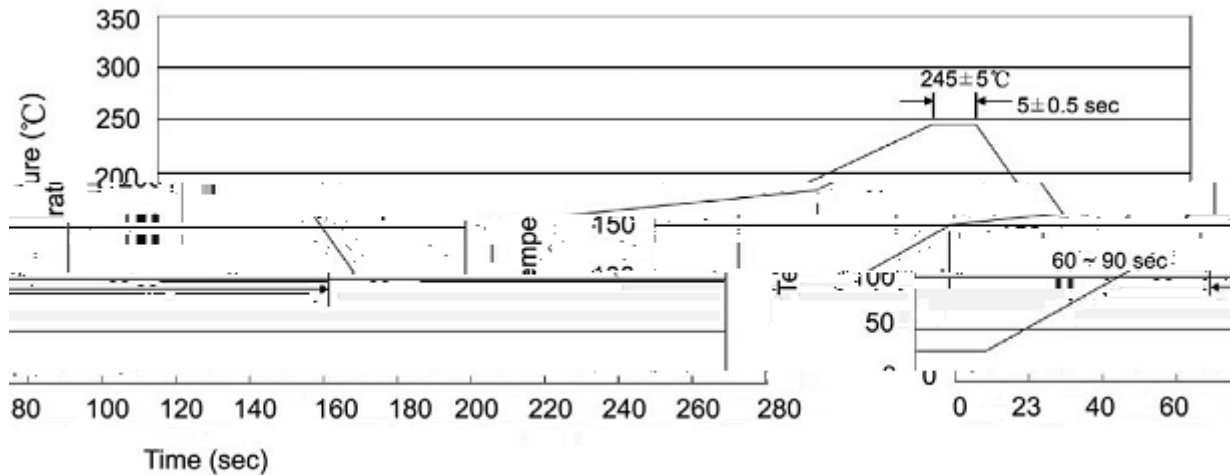
Note:

H: Company Code.

L5: Product Type.

** : Lot No. Code, code change with Lot No.

1. 温度特性 / Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0luhh,



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. |

2. 焊锡热阻 / Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

3. 包装规格 / Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	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-89	1,000	7	7,000	8	56,000	7 p ×12	180×120×180	385×257×392

4. 注意事项 / Notices