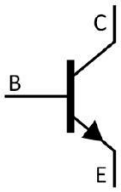
VRW0;< ṂṂ Ḅ QSQ ÆṀ ч s Ⅱ ㄱ Silicon NPN transistor in a SOT-89 Plastic Package.

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Low $V_{CE(sat)}$, high current, HF Product.

₹ ˇ ˉ ˍ Ầ ԋ ı ὺ Ǐ ~ ʜ [OBJ] ὖ ˇ Ł ˝ ı ㅓ ớ Ầ ԋ Ɔ ◊

General purpose switching and muting, LCD back-lighting, supply line switching circuits.

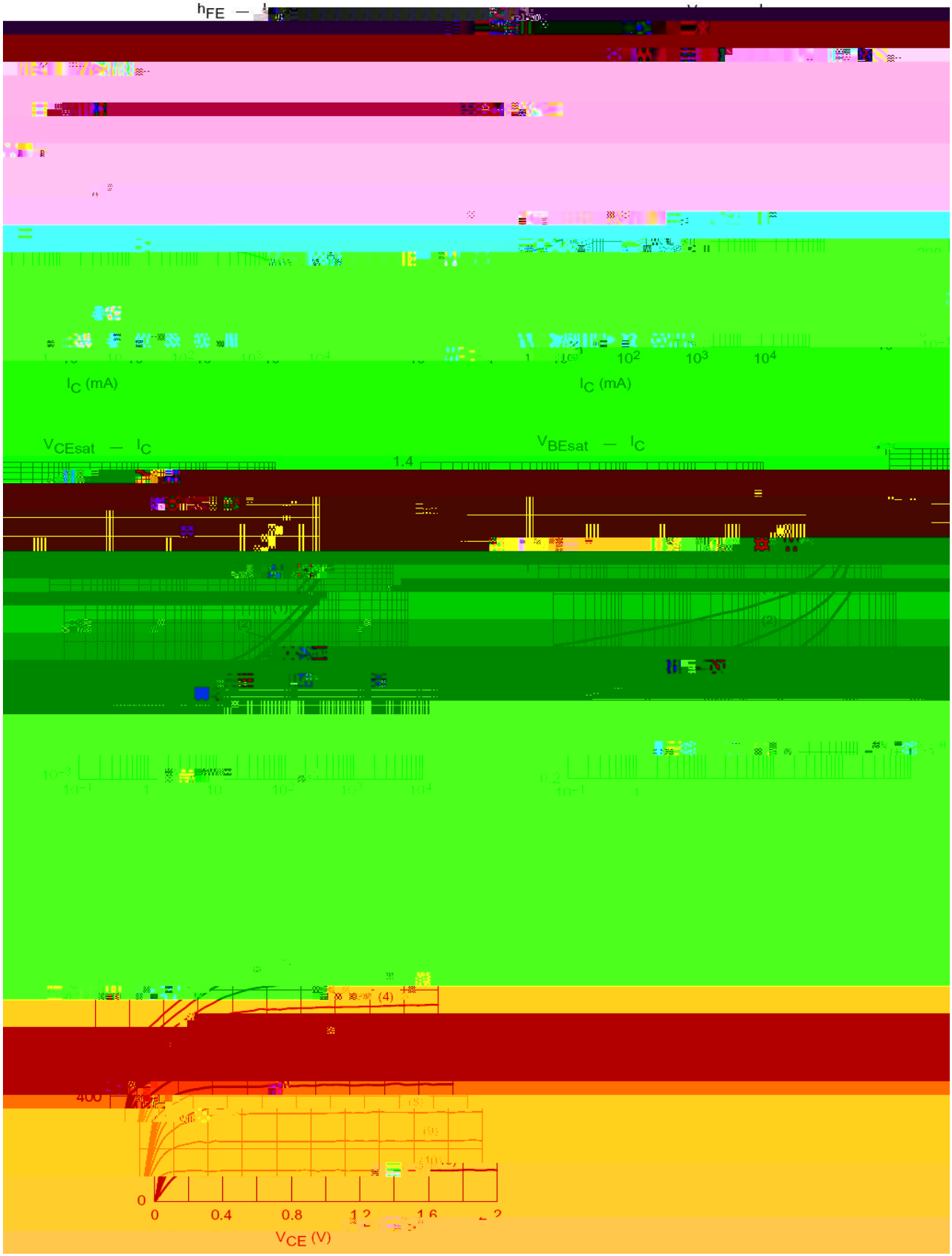


| v ̈Ω<br>Parameter | ϒ N<br>Symbol | ̈Ω Ö<br>Rating | D Ч<br>Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | 50 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | 50 | V |
| Emitter to Base Voltage | $V_{EBO}$ | 5 | V |
| Collector Current - Continuous | $I_C$ | 3 | A |
| Collector Base - Continuous | $I_B$ | 0.5 | A |
| Peak Collector Current | $I_{CM}$ | 5 | A |
| Total Power Dissipation | $P_{tot}$ ϔ 4 | 550 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -65 150 | |

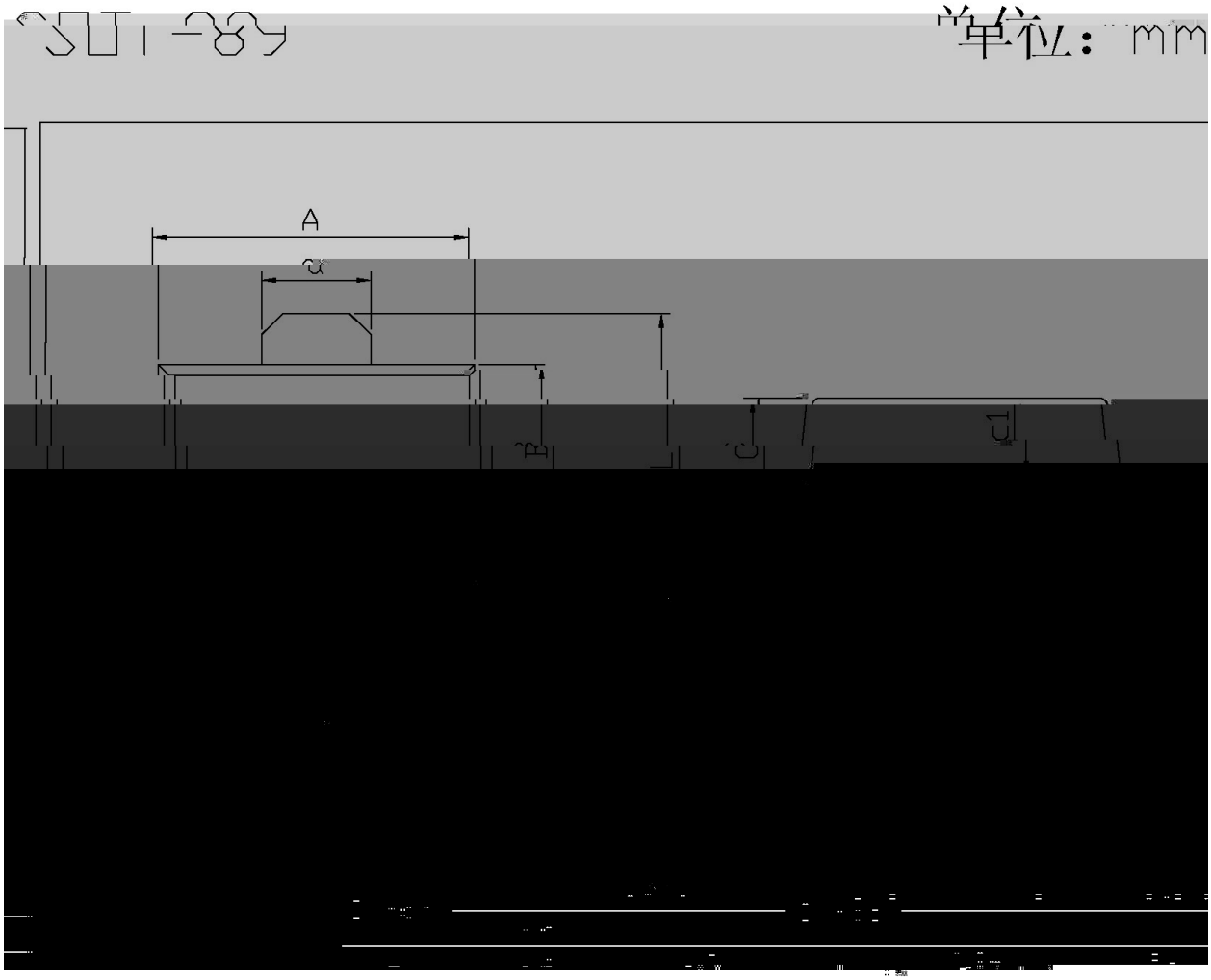
4 λ ϶ ϯ Ḡ Ł ϱ м ͅ Ɔ ب — i

| v ̈Ω<br>Parameter | ϒ N<br>Symbol | Ш ː ϯ ϯ<br>Test Conditions | ω ṇ Ö<br>Min | Ɛ ʒ Ö<br>Typ | ω ᶻ Ö<br>Max | D Ч<br>Unit |
|---|---|---|---|---|---|---|
| Collector Cut-Off Current | $I_{CBO}$ | $V_{CB}$=50V $I_E$=0 | | | 100 | nA |
| Collector Cut-Off Current | $I_{CBO}$ | $V_{CB}$=50V $I_E$=0<br>$T_j$=150 | | | 50 | A |
| Collector Cut-Off Current | $I_{CES}$ | $V_{CE}$=50V $V_{BE}$=0 | | | 100 | nA |
| Emitter Base Cut-Off Current | $I_{EBO}$ | $V_{EB}$=5.0V $I_C$=0 | | | 100 | nA |
| DC Current Gain | $h_{FE(1)}$ | $V_{CE}$=2.0V $I_C$=0.1A | 300 | | | |
| | $h_{FE(2)}$ | $V_{CE}$=2.0V $I_C$=0.5A | 300 | | | |
| | $h_{FE(3)*}$ | $V_{CE}$=2.0V $I_C$=1.0A | 300 | | 700 | |

## / Electrical Characteristic Curve



## / Package Dimensions



# PBSS4350X

Rev.G Jul.-2025

## ( ) /

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ب ˝ χ

1 Ĺ ♬ □ ỷ 150 Ḱ 180 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 245 ° 5 ł ı `H ڑ `Y ㅅ ㎞ 5 ° 0.5sec;

3 ì ˙ ㅓ ˛ ɔ ෯ ỷ ㎞ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:150~180 ł , Time:60~90sec.

2.Peak Temp.:245 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

## / Resistance to Soldering Heat Test Conditions

| | | | |
|---|---|---|---|
| □ ỷ χ 260 ° 5 ł | `H ڑ χ 10 ° 1 sec. | Temp.:260±5 | Time:10±1 sec |

## / Packaging SPEC.

ი ` ㅓ Ь / REEL

| Package Type | Units | Dimension | (unit mm³) |
|---|---|---|---|