## 5 é / Descriptions

9 5 : .> / / x 4 6 4 ! - } â ’ož Silicon NPN transistor in a SOT-89 Plastic Package.

## ¤ ª / Features

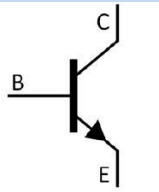
: ; m k —)í D }ož

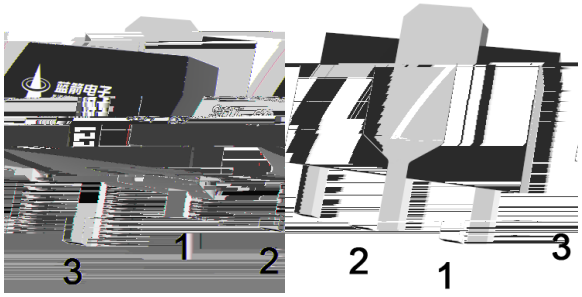
Complementary pair with 8550T, HF Product.

9 ä y Ý èož

Power amplifier applications.

## Ã W ] Ô · / Equivalent Circuit




PIN1 y Base PIN 2 y Collector PIN 3 y Emitter

## , M V / Marking

| $h_{FE}$ Classifications Symbol | B | C | D |
|---|---|---|---|
| $h_{FE}$ Range | 85 160 | 120 200 | 160 300 |
| Marking | HY1B | HY1C | HY1D |

| @ *f*<br>Parameter | … Z<br>Symbol | *f* ›<br>Rating | % y<br>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 - Continuous | $I_C$ | 1.5 | A |
| Collector Base - Continuous | $I_B$ | 0.5 | A |
| Collector Power Dissipation | $P_C$ | 500 | mW |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | T | | |

## Ô ? d • Ž ¢ / Electrical Characteristic Curve

## Ø ¤ = ) ¢ / Package Dimensions

## , M y ƒ / Marking Instructions

# HY1B

ª ¢ y

. y ¸ [ W A

? y º Z W A

( y N, + ã W A

y ÿ D Z W A k š ÿ D Z J

Note:

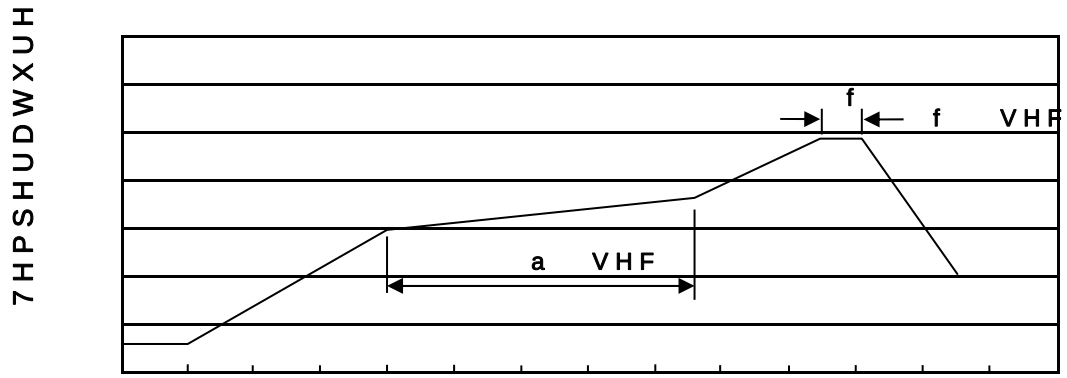
H: Company Code

Y1: Product Type

B y $h_{FE}$ Classifications Symbol

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

## š WD t ... • Ž ¢ ( x / ) / : K S V K X G Z [ X K 6 X U L O R K L U X / 8 8 K L R U ] 9 U R J K X O T M 6




7 L P H V H F

ª ¢ y

Note:

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

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

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

3. Cooling Speed: 2~10 - /sec.

## ÂD /Cã p ¯ » ] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

## G P á / Packaging SPEC.

2 & x / REEL

| Package Type 7>û ˜ E | Units ;>û ¦H | | | | | Dimension ;>û p . (unit Æmm³) | | |
|---|---|---|---|---|---|---|---|---|
| | Units/Reel / -- | Reels/Inner Box -- /- | Units/Inner Box /- | Inner Boxes/Outer Box - /1ç | Units/Outer Box /1ç | Reel | Inner Box× | Outer Box1ç |
| SOT-89 | 1,000 | 7 | 7,000 | 6 | 42,000 | 7 s ×12 | 180×120×180 | 390×385×205 |

## „ Ð y ƒ / Notices