

5 é / Descriptions

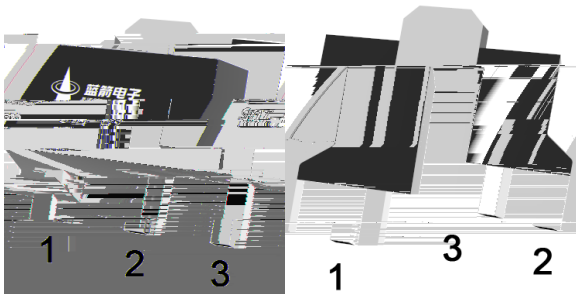
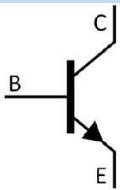
9 5 : .> // x 4 6 4 ! - } â 'ož Silicon NPN transistor in a SOT-89 Plastic Package.

α^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 Parameter | ... Z Symbol | f › Rating | % y 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 □ =) ϕ / Package Dimensions

HY1B

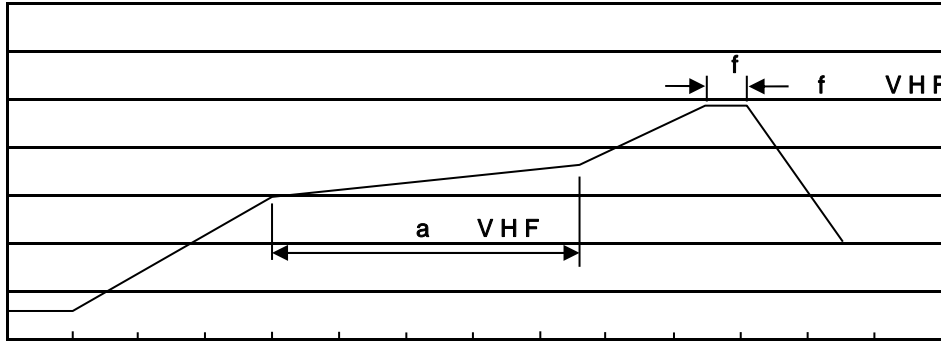
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Note:

H: Company Code
Y1: Product Type
B y h_{FE} Classifications Symbol
** : Lot No. Code, code change with Lot No

šWD t... • Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HP SHUDW XUH



7LPH VHF

a č y

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

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

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

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

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 /mm³) | | |
|-------------------------|--------------------|--------------------------|-----------------------|--------------------------------|------------------------|-------------------------------|-------------|-------------|
| | Units/Reel / -- | Reels/Inner Box -- /- | Units/Inner Box /- | Inner Boxes/Outer Box - /1ç | Units/Outer Box /1ç | Reel | Inner Box | Outer Boxç |
| SOT-89 | 1,000 | 7 | 7,000 | 6 | 42,000 | 7 s x12 | 180x120x180 | 390x385x205 |

„ ð y f / Notices