

5 é / Descriptions

9 5 : .> // x 4 6 4 ! - } â 'ož Silicon NPN transistor in a SOT-23 Plastic Package.

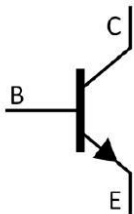
□ <sup>a</sup> / Features

2 3 ; mož  
Complementary pair with L8550M.

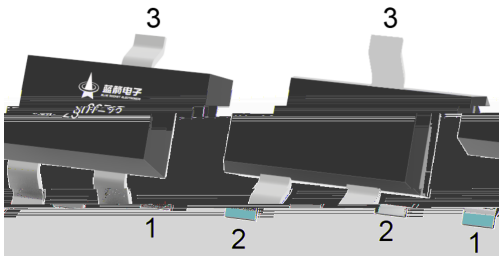
Đ ÷ / Applications

9 ä y Ý èož  
Power amplifier applications.

Ã W ] Ô · / Equivalent Circuit



• Ũ - æ / Pinning



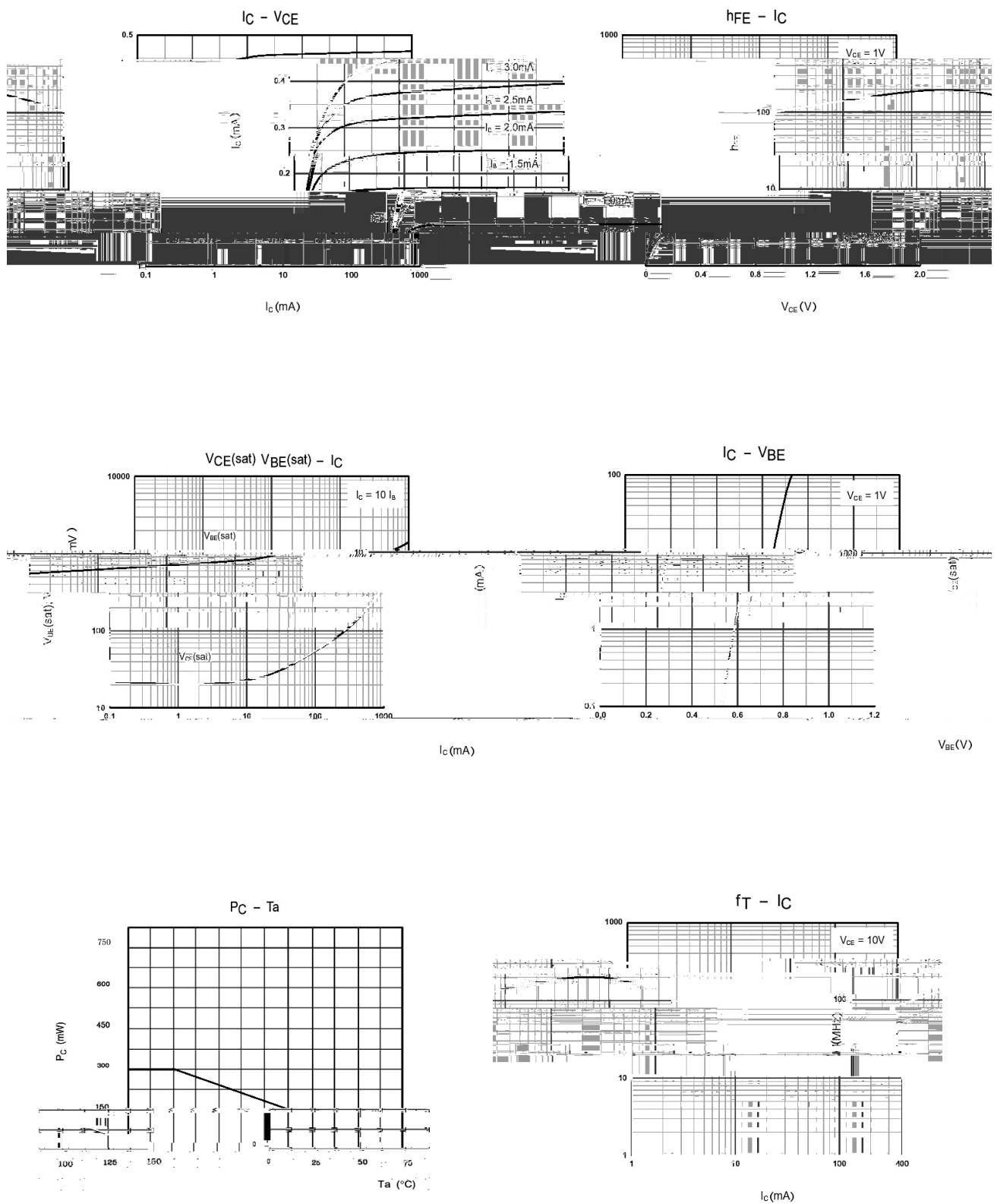
PIN1 y Base      PIN 2 y Emitter      PIN 3 y Collector

Z Ü B , M V / h<sub>FE</sub> Classifications & Marking

| h <sub>FE</sub> Classifications<br>Symbol | B      | C       | D       |
|-------------------------------------------|--------|---------|---------|
| h <sub>FE</sub> 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      | $V_{CBO}$       | 30              | V           |
| Collector to Emitter Voltage   | $V_{CEO}$       | 20              | V           |
| Emitter to Base Voltage        | $V_{EBO}$       | 6.0             | V           |
| Collector Current - Continuous | $I_C$           | 1.5             | A           |
| Base Current                   | $I_B$           | 0.5             | A           |
| Collector Power Dissipation    | $P_C$           | 300             | mW          |

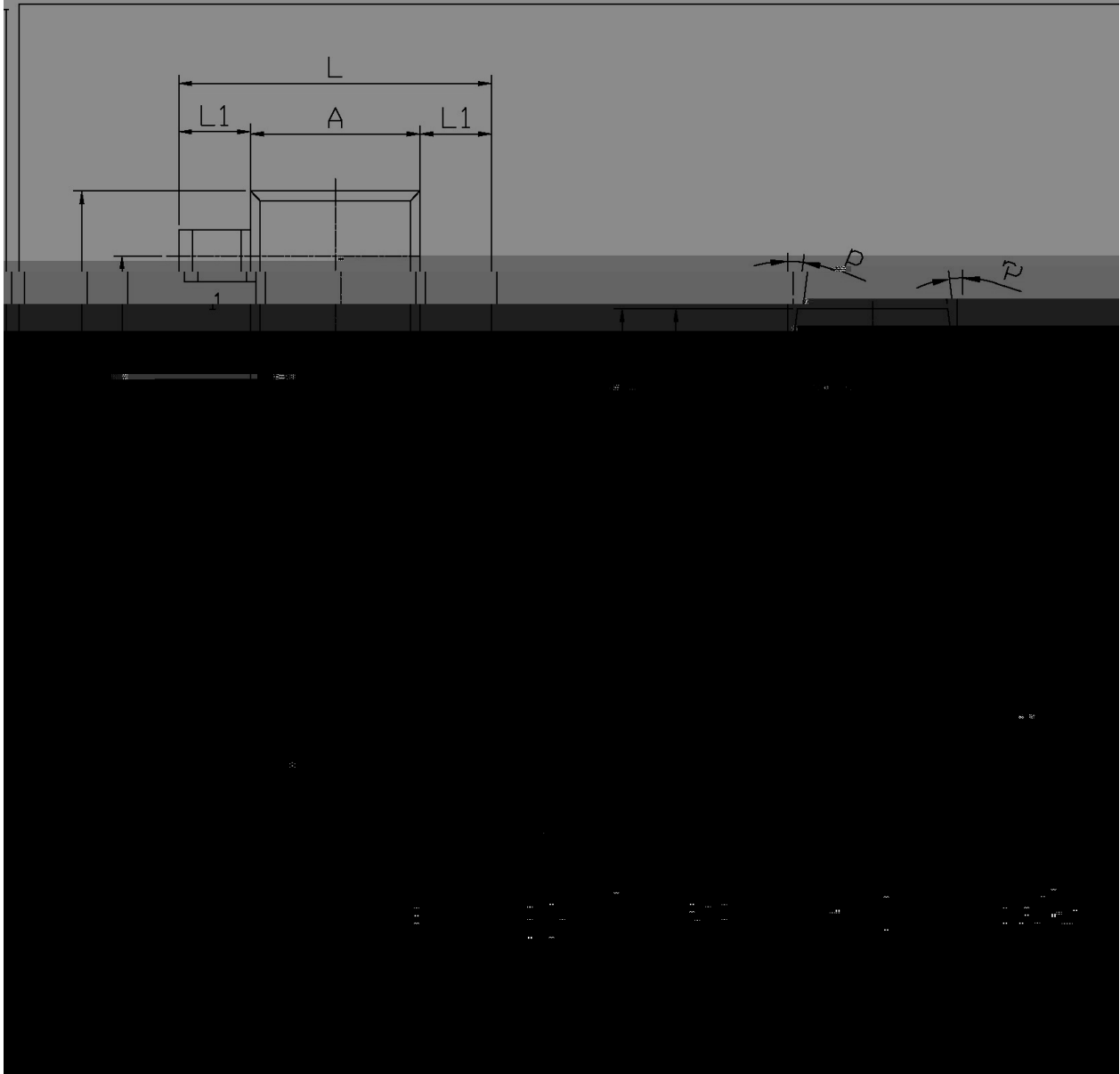
Electrical Characteristic Curve



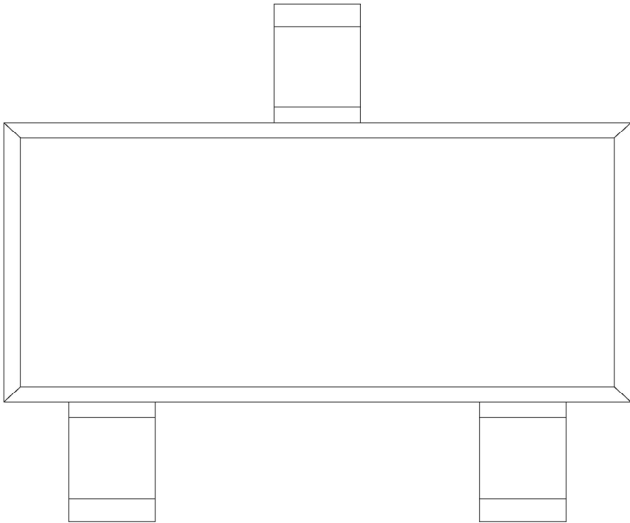
Ø □ = ) ⌀ / Package Dimensions

SMT-23

单位: mm



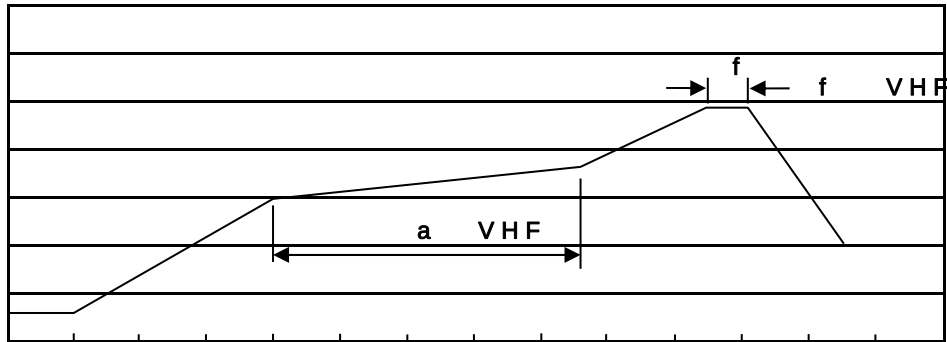
, M y f / Marking Instructions



<sup>a</sup> ϕ y  
. y , [ W A  
? y ° Z W A  
( y N

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

7HPSHUDWXXUH



7LPH VHF

ačy

10• Ä½ “† 150 ½180 - kž • 60 ½90sec;

20• Q>“† 245 r5 - kž • 4 Ò 5 r0.5sec;

30•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 r5 -

Time:10 r1 sec

G P á / Packaging SPEC.

2 & x / REEL

| Package Type<br>7>û ~ E | Units ;>û !H     |                          |                       |                                |                        | Dimension ;>û p . (unit /mm³) |             |             |
|-------------------------|------------------|--------------------------|-----------------------|--------------------------------|------------------------|-------------------------------|-------------|-------------|
|                         | Units/Reel<br>/- | Reels/Inner Box<br>-- /- | Units/Inner Box<br>/- | Inner Boxes/Outer Box<br>- /1ç | Units/Outer Box<br>/1ç | Reel                          | Inner Box   | Outer Boxç  |
| SOT-23                  | 3,000            | 10                       | 30,000                | 6                              | 180,000                | 7 s ×8                        | 180×120×180 | 390×385×205 |

„Đ y f / Notices