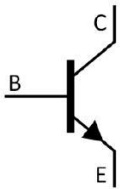


Silicon NPN transistor in a SOT-23 Plastic Package.

High current gain, low noise figure, high power gain.

Amplifiers for operation up to 2.5GHz applications.

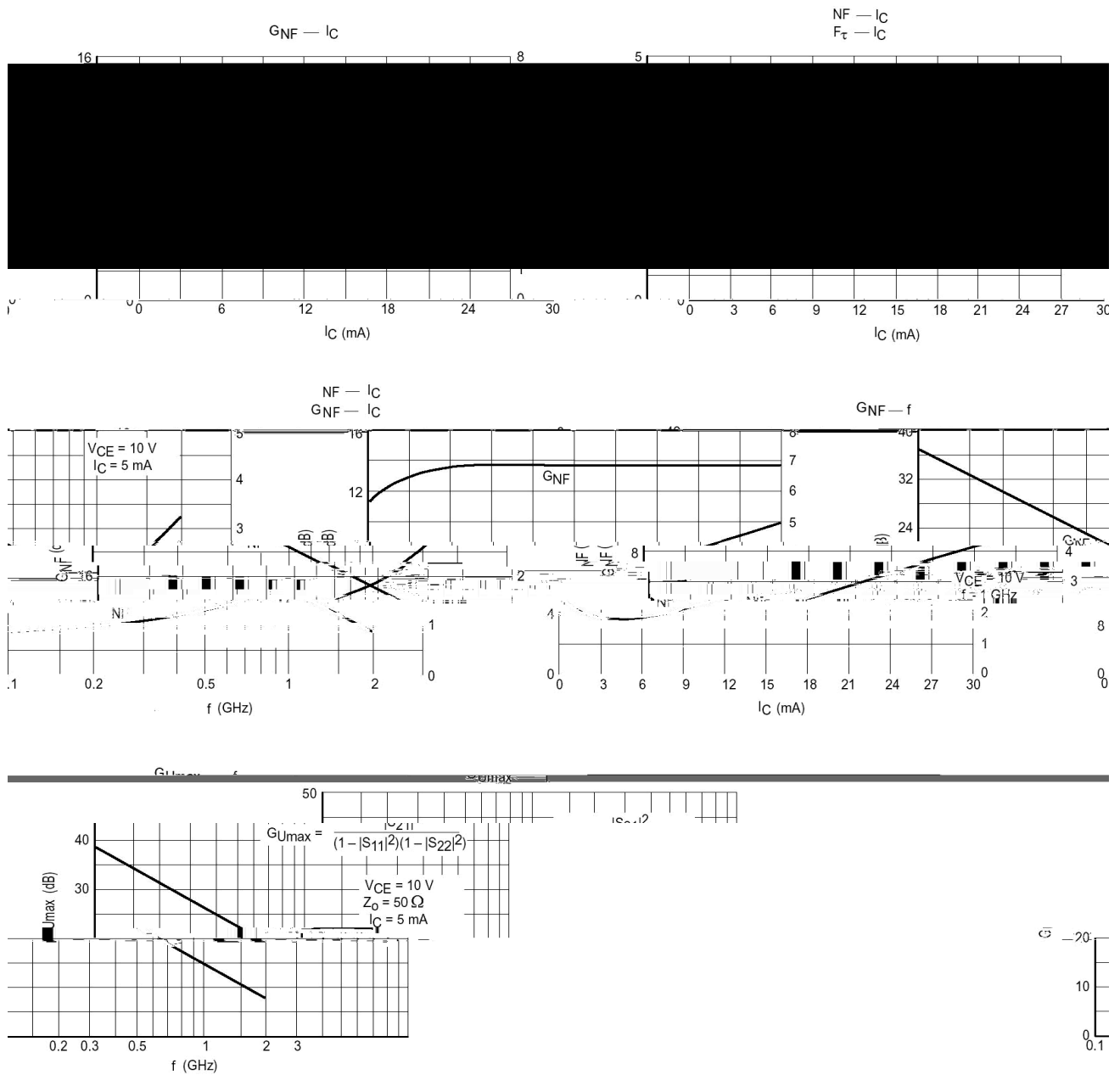


PIN1 Base      PIN 2 Emitter      PIN 3 Collector

|                |        |
|----------------|--------|
| $h_{FE}$ Range | 50~200 |
| Marking        | H7A    |

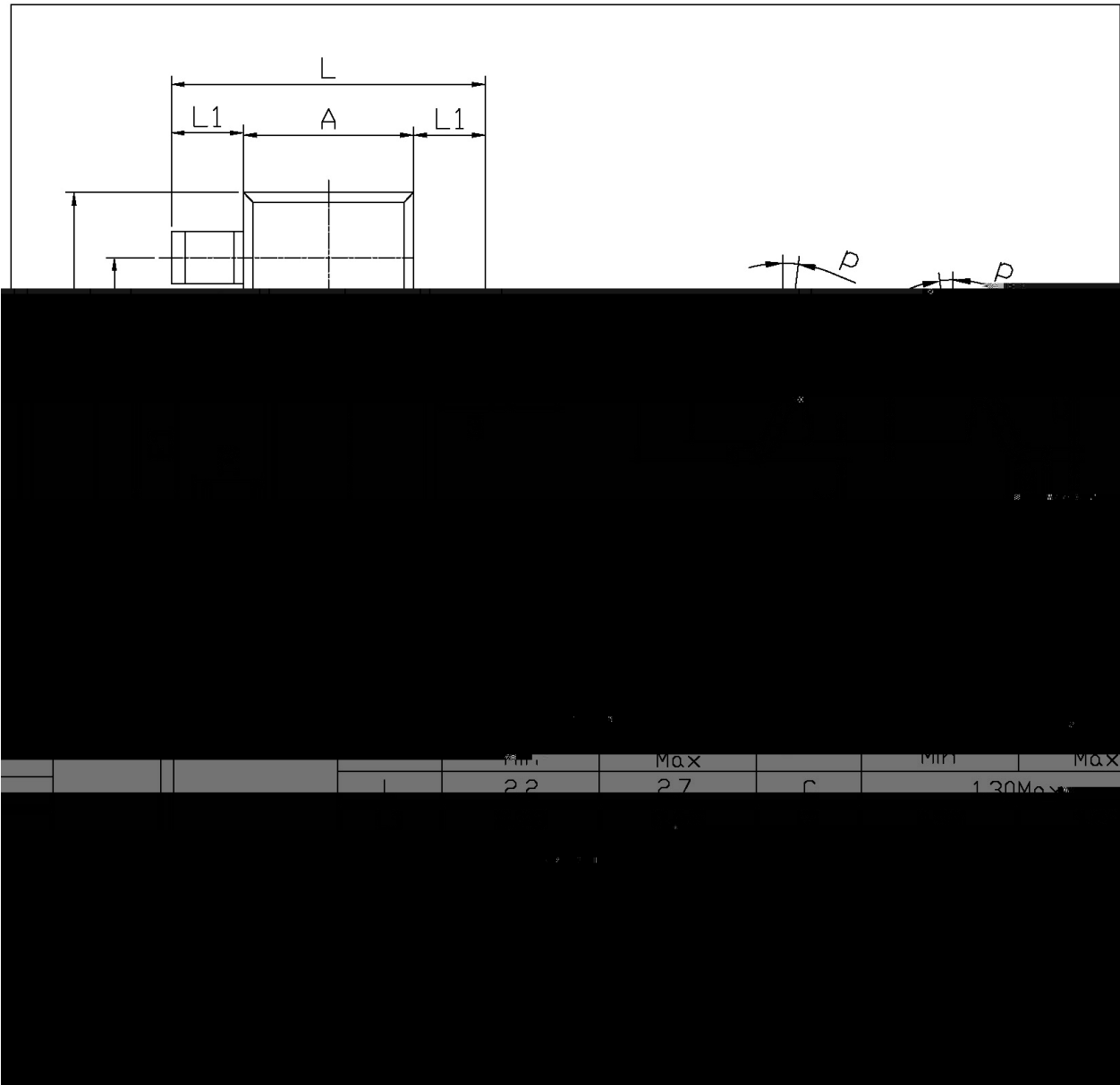
| Parameter                    | Symbol    | Rating  | Unit |
|------------------------------|-----------|---------|------|
| Collector to Base Voltage    | $V_{CBO}$ | 25      | V    |
| Collector to Emitter Voltage | $V_{CEO}$ | 15      | V    |
| Emitter to Base Voltage      | $V_{EBO}$ | 2       | V    |
| Collector Current            | $I_C$     | 30      | mA   |
| Collector Power Dissipation  | $P_C$     | 300     | mW   |
| Junction Temperature         | $T_J$     | 150     | °C   |
| Storage Temperature Range    | $T_{stg}$ | -55~150 | °C   |

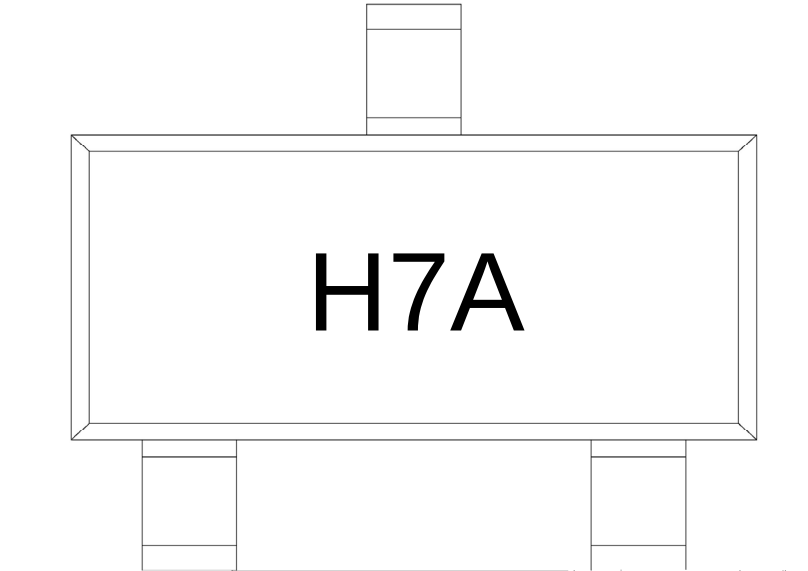
| Parameter                           | Symbol    | Test Conditions | Min | Typ | Max | Unit |
|-------------------------------------|-----------|-----------------|-----|-----|-----|------|
| Collector to Base Breakdown Voltage | $V_{CBO}$ | $I$             |     |     |     |      |



SOT-23

单位：mm



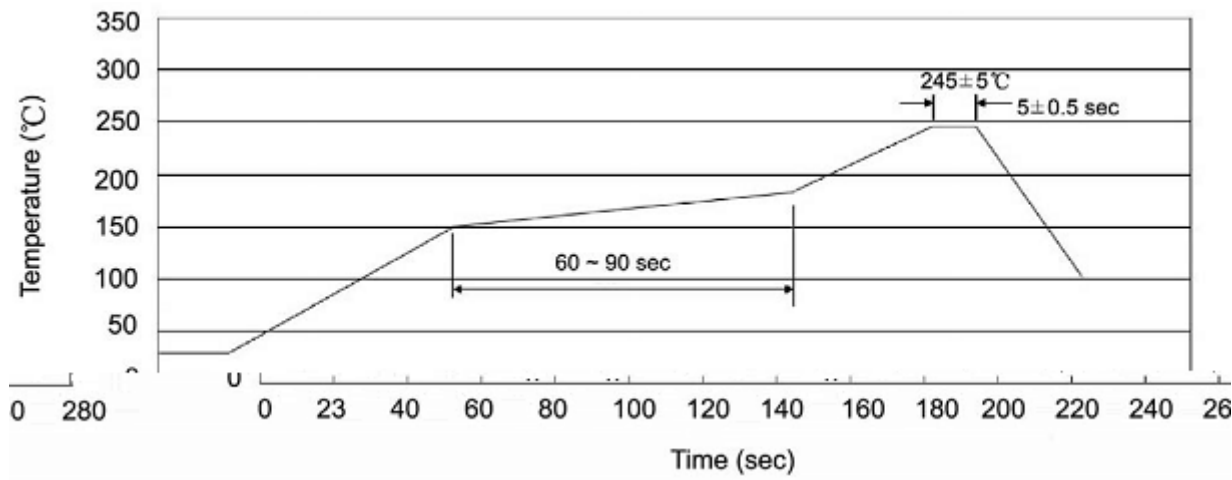


Note:

Company Code

Product Type

Temperature Profile for IR Reflow Soldering(Pb-Free)



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.

260 5

10 1 sec.

Temp.:260±5℃

Time:10±1 sec

/ REEL

| Package Type<br>封装形式 | Units 包装数量 |      |     |     |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |   |   |
|----------------------|------------|------|-----|-----|-----|-----------------------------------------|---|---|
|                      | 只 卷盘       | 卷盘 盒 | 只 盒 | 盒 箱 | 只 箱 |                                         | 盒 | 箱 |
|                      |            |      |     |     |     | "                                       |   |   |