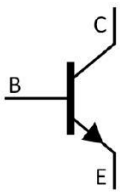


SOT-323                      NPN                      Silicon NPN transistor in a SOT-323 Plastic Package.

-                       $V_{ce(sat)}=0.3V_{max}$   
Collectoe to emitter saturation voltage  $V_{ce(sat)}=0.3V_{max}$ Excellent lineality of DC forward current gain,Supper mini package for easy mounting.

For hybrid IC,small type machine low frequency voltage amplify application.

⚙️ / Equivalent Circuit



PIN1    Emitter                      PIN 2    Base                      PIN 3    Collector

🏷️ / Marking

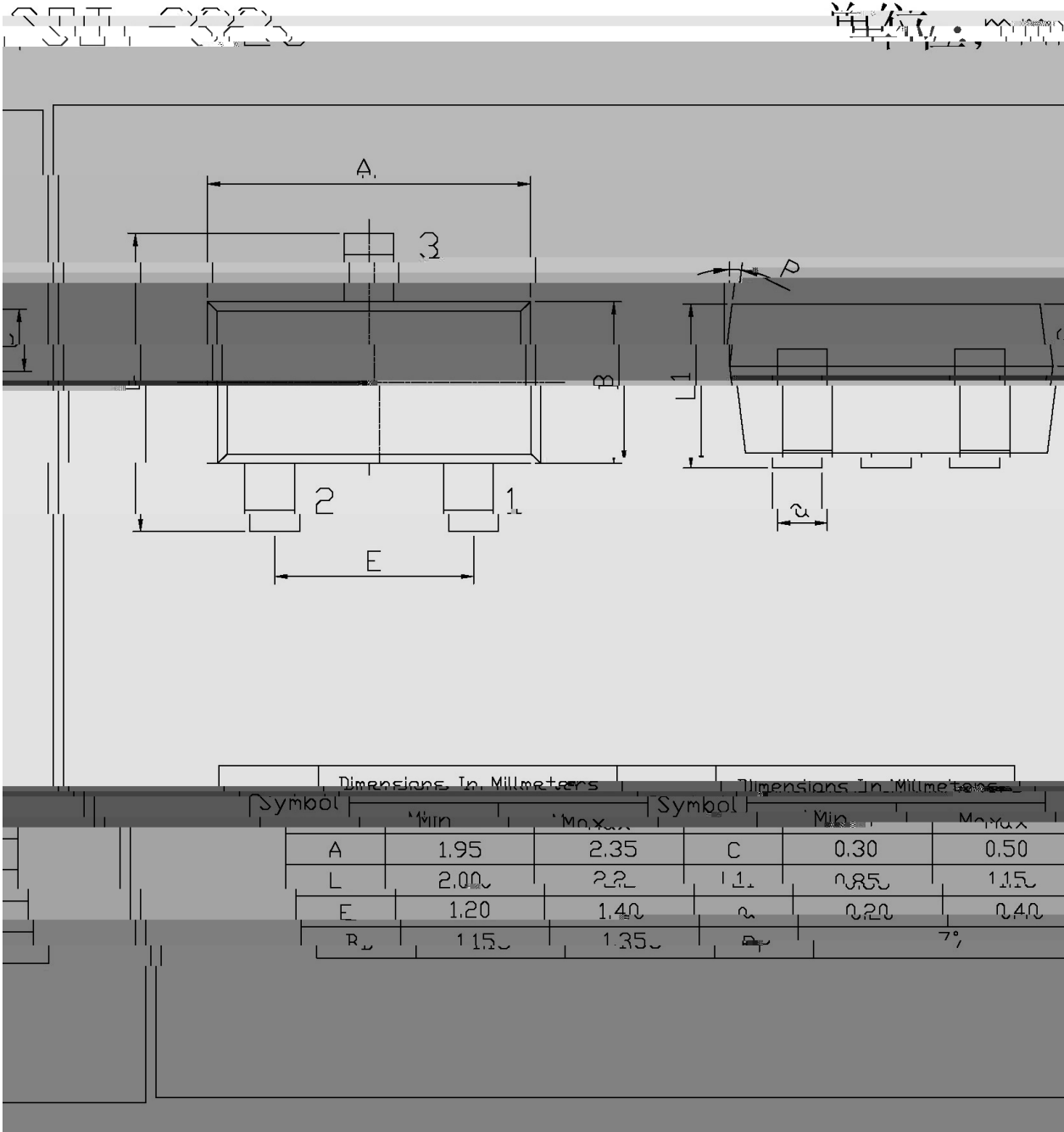
|                          |   |   |   |   |
|--------------------------|---|---|---|---|
| $h_{FE}$ Classifications | Q | R | S | T |
| Symbol                   |   |   |   |   |
| $h_{FE}$ Range           |   |   |   |   |

| Parameter                      | Symbol    |          | Rating | Unit |
|--------------------------------|-----------|----------|--------|------|
| Collector to Base Voltage      | $V_{CBO}$ |          | 50     | V    |
| Collector to Emitter Voltage   | $V_{CEO}$ |          | 50     | V    |
| Emitter to Base Voltage        | $V_{EBO}$ |          | 6      | V    |
| Collector Current - Continuous | $I_C$     | 2SC4155  | 0.1    | A    |
|                                |           | 2SC4155A | 0.2    |      |
| Collector Power Dissipation    | $P_C$     |          | 150    | mW   |

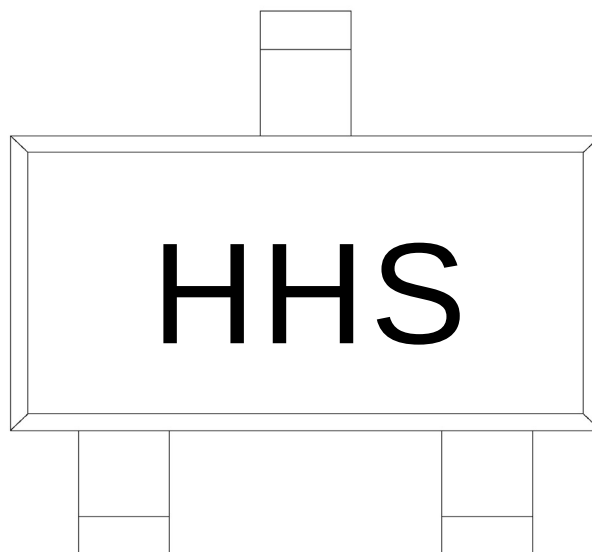
电气特性 / Electrical Characteristic Curve



⌘ É Ò L f / Package Dimensions



4. 1. 1 / Marking Instructions



H

H

S  $h_{FE}$

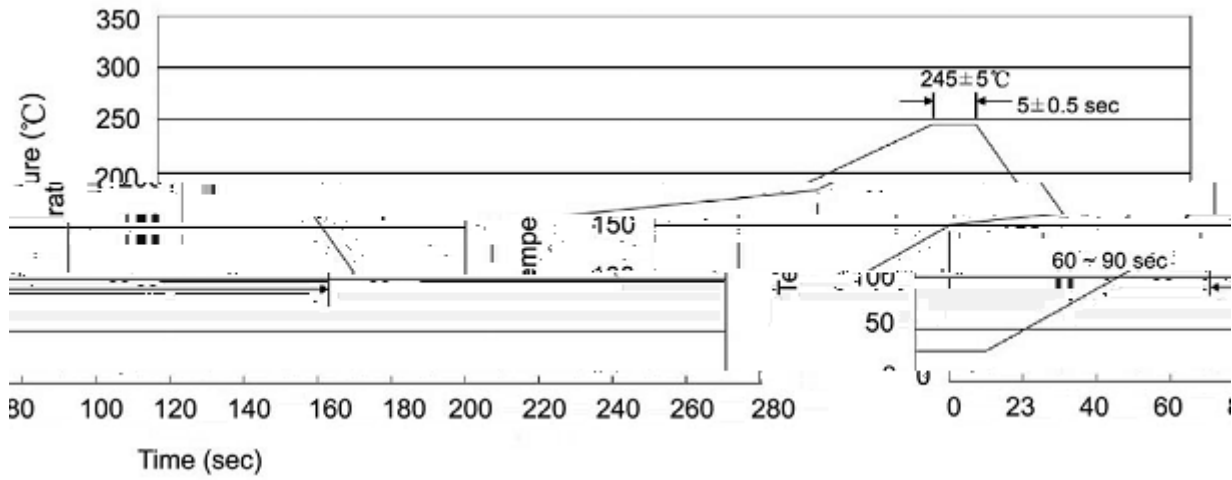
Note:

H: Company Code.

H: Product Type.

S:  $h_{FE}$  Classifications Symbol

Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0l uhh,



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.         |

Resistance to Soldering Heat Test Conditions

260±5                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

Packaging SPEC.

/ REEL

| Package Type<br>封装形式 | Units 包装数量         |                         |                        |                              |                        | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |             |             |
|----------------------|--------------------|-------------------------|------------------------|------------------------------|------------------------|-----------------------------------------|-------------|-------------|
|                      | Units/Reel<br>只/卷盘 | Reels/Inner Box<br>卷盘/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Reel                                    | Inner Box 盒 | Outer Box 箱 |
| SOT-323              | 3,000              | 10                      | 30,000                 | 8                            | 240,000                | 7 ×8                                    | 180×120×180 | 385×257×392 |

Notices