

**/ Descriptions**

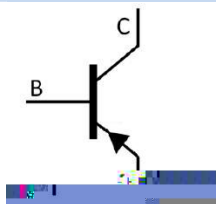
SOT-23          PNP                          Silicon PNP transistor in a SOT-23 Plastic Package.

**/ Features**

Low  $V_{CE(sat)}$ , high current.

**/ Applications**

General purpose switching and muting, LCD back-lighting, supply line switching circuits.



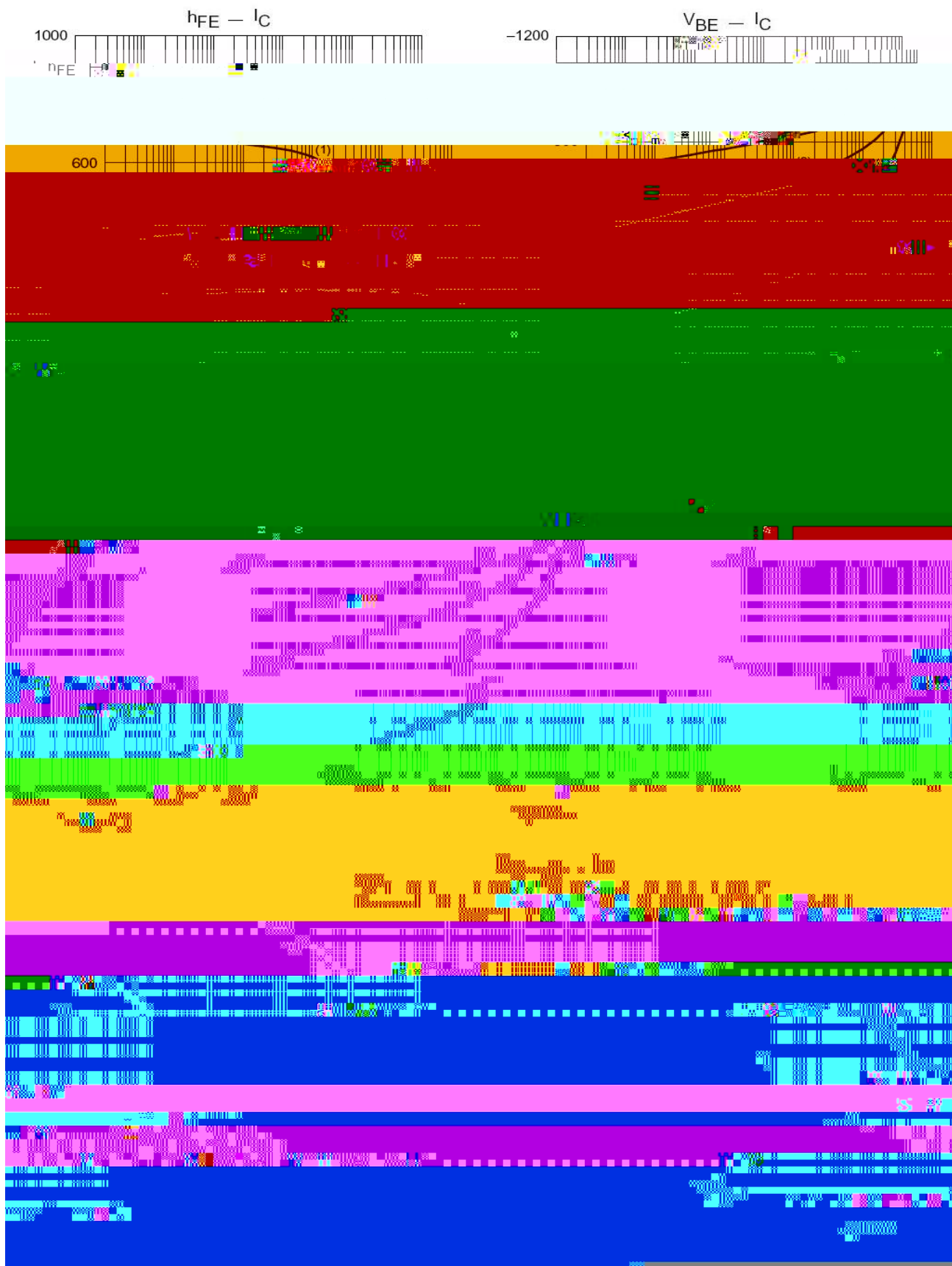
PIN 1   Base          PIN 2   Emitter          PIN 3   Collector

**/  $h_{FE}$  Classifications & Marking**

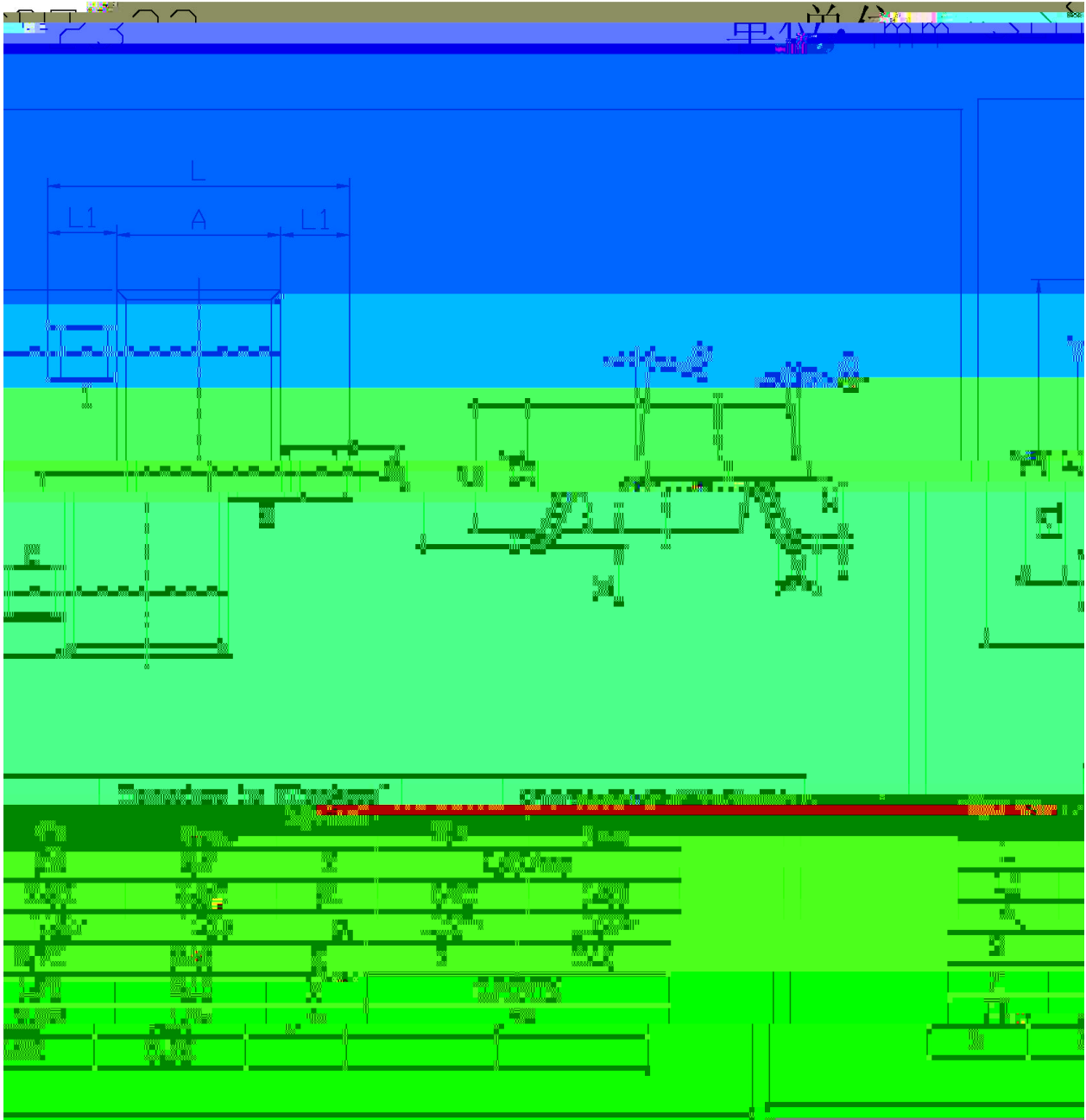
$h_{FE}$ Range	>200
Marking	ZDH

Parameter	Symbol	Rating	Unit
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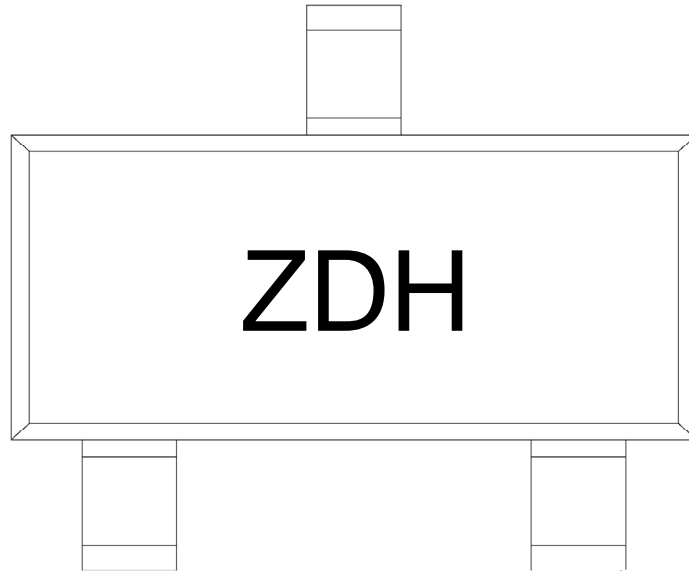
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



ZD

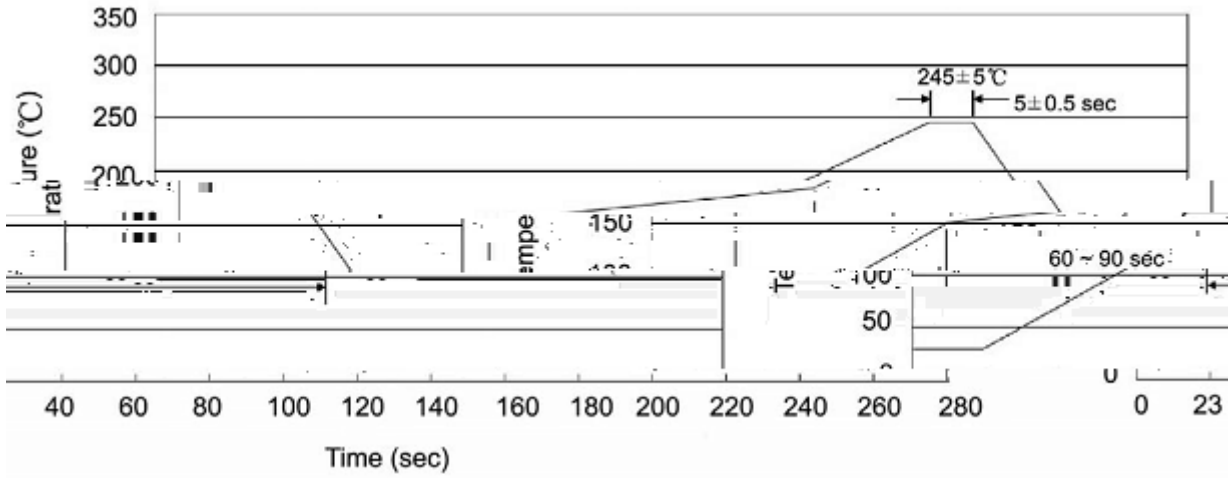
H

Note:

ZD      Product Type

H        Company Code

( ) / 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±0.5 | sec;   | 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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices