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F

/ Descriptions

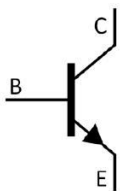
SOT-23 NPN Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

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

/ A

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



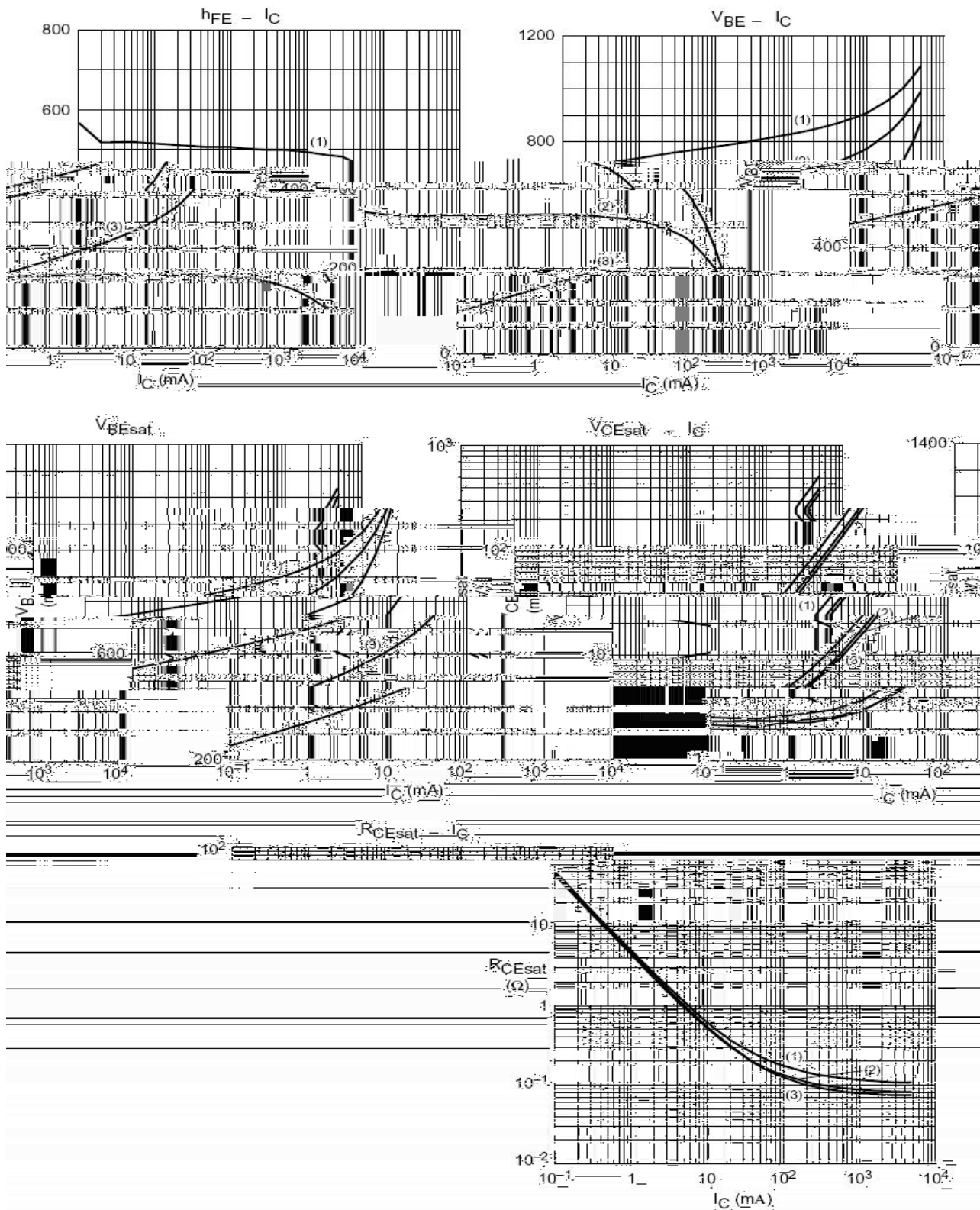
PIN 1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

h_{FE} Range	220~450
Marking	HZG

Parameter	Symbol	Rating	Unit
Collector to Base Voltage Collector to Emitter V	V_{CBO}	20	V

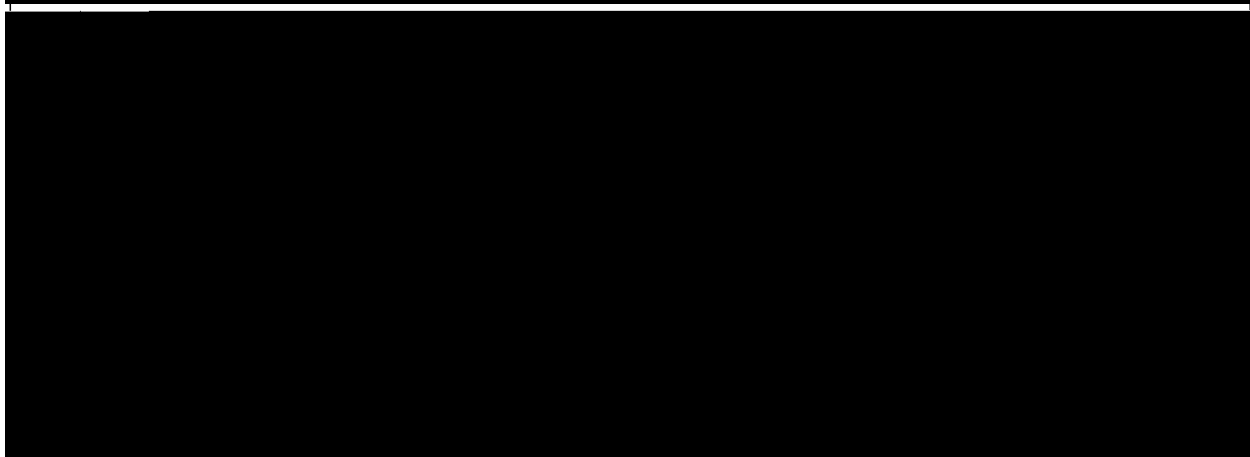
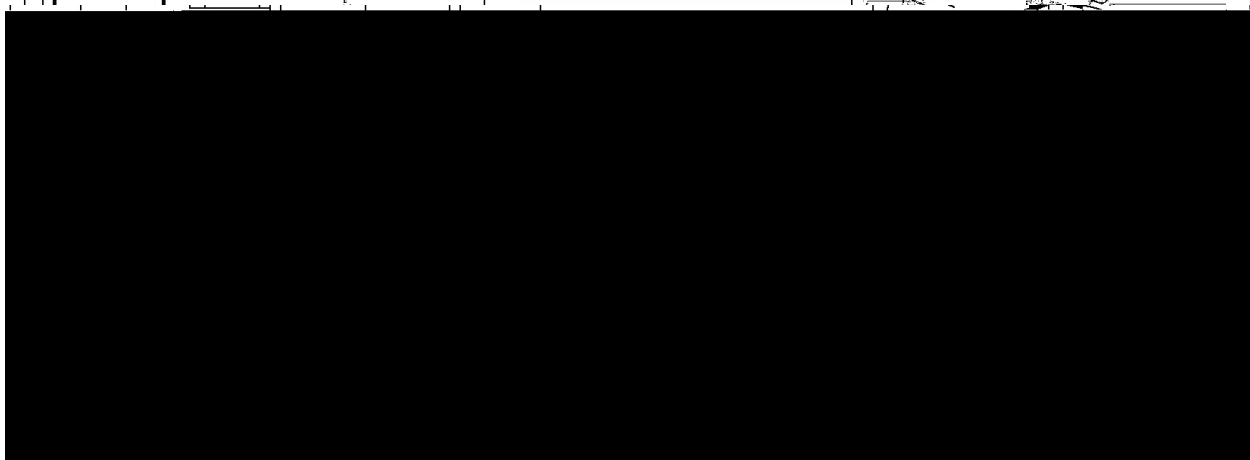
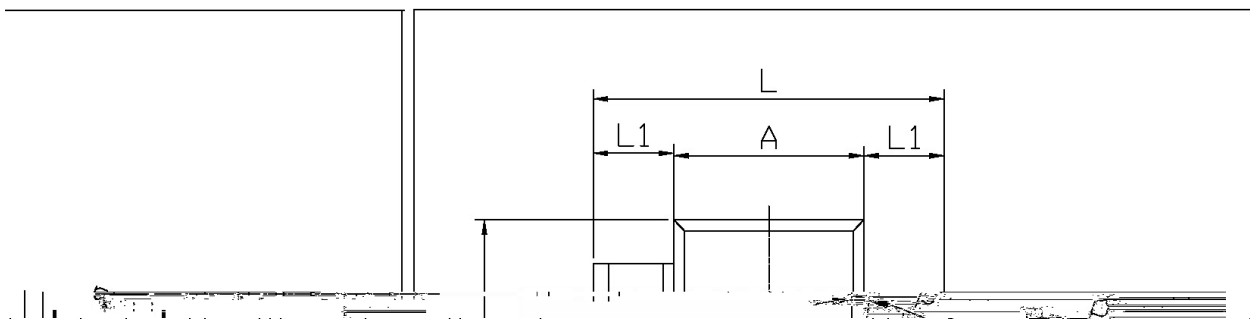
/ **Electrical Characteristic Curve**



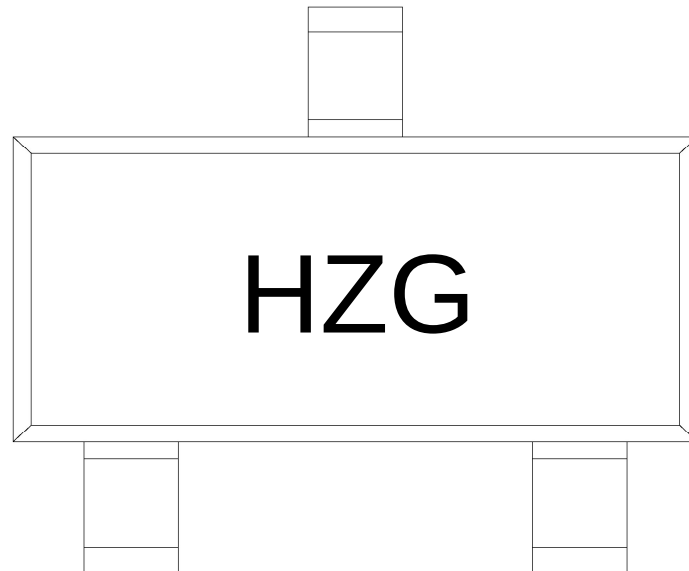
/ Package Dimensions

SOT-23

单位: mm



/ Marking Instructions



H

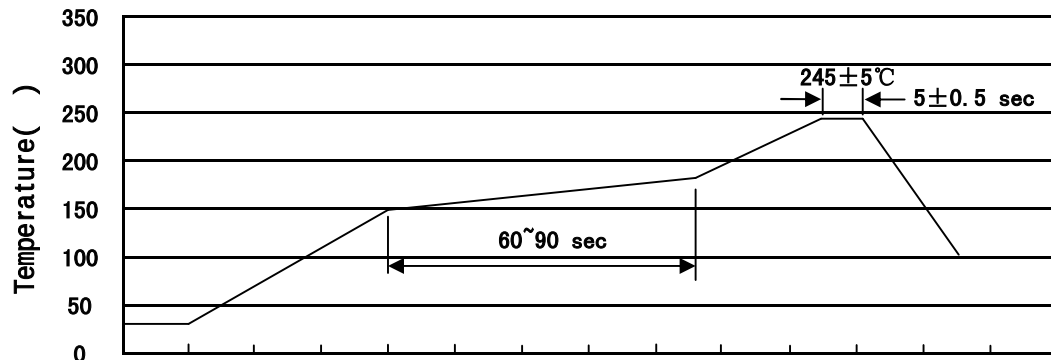
ZG

Note:

H Company Code

ZG Product Type

() / **Temperature Profile for IR Reflow Soldering(Pb-Free)**



Note:

- | | | | |
|---|-------------|-----------|--|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | 2 10°C/sec. | | 3. Cooling Speed: 2~10°C/sec. |

/ **Resistance to Soldering Heat Test Conditions**

260±5°C 10±1 sec. Temp.:260±5°C 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 ³)		
	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**