˜Yت / Descriptions

SOT-89 PNP Silicon PNP transistor in a SOT-89 Plastic Package.

◕ È / Features

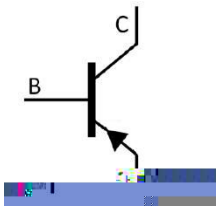
, 2SD1767

Low $V_{CE(sat)}$,complements the 2SD1767.

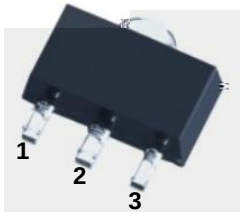
४ ڍ / Applications

Medium power amplifier applications.

Л ڤ ڱ ڱ ≠ ع / Equivalent Circuit



ã ⅄ ʊ˜ / Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

Łˌ ʜ ɹ̇ / Marking

h_{FE} Classifications Symbol	P	Q	R
h_{FE} Range	82 180	120 270	180 390
Marking	HBDP⁑	HBDQ⁑	HBDR⁑

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-80	V

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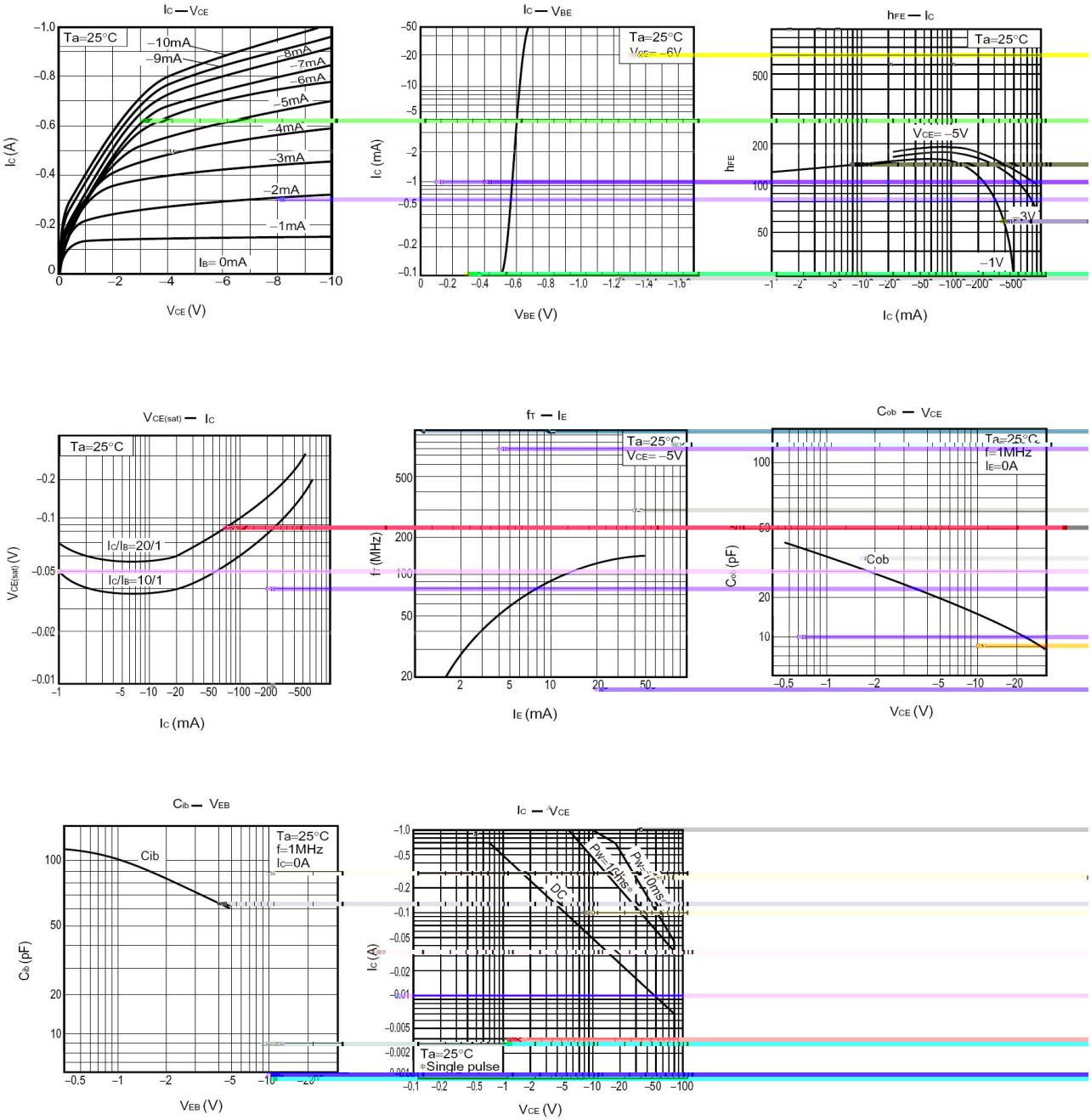
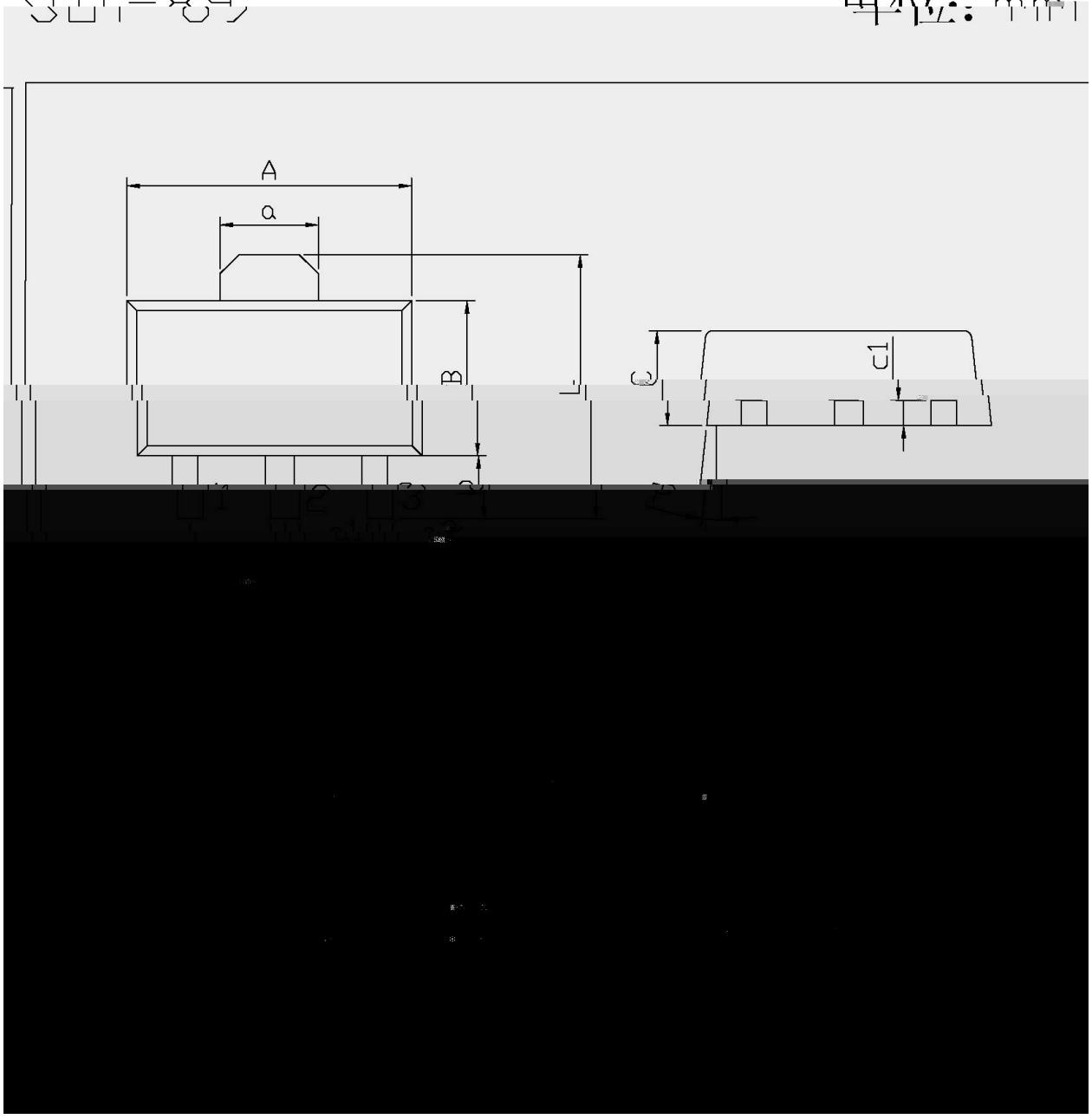
ƒ Ą´E ⅵ ƒ / Electrical Characteristic Curve

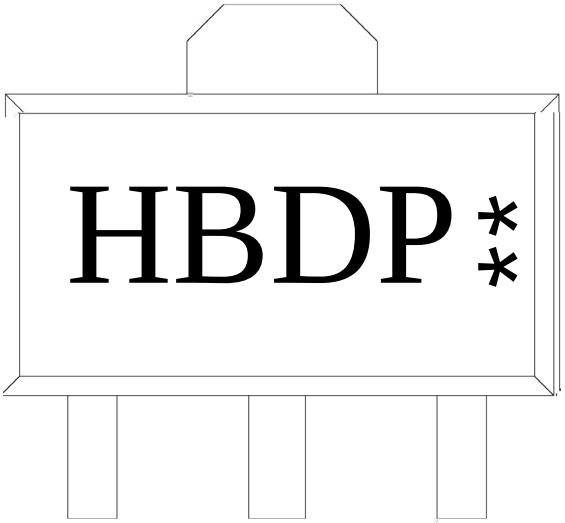


ᵘ ĖÒĻ ƒ / Package Dimensions

SOT-89 单位：mm



ł. Ļ'Ω / Marking Instructions



H

BD

P h_{FE}

**

Note:

H: Company Code.

BD: Product Type.

P h_{FE} Classifications Symbol

**: Lot No. Code, code change with Lot No.

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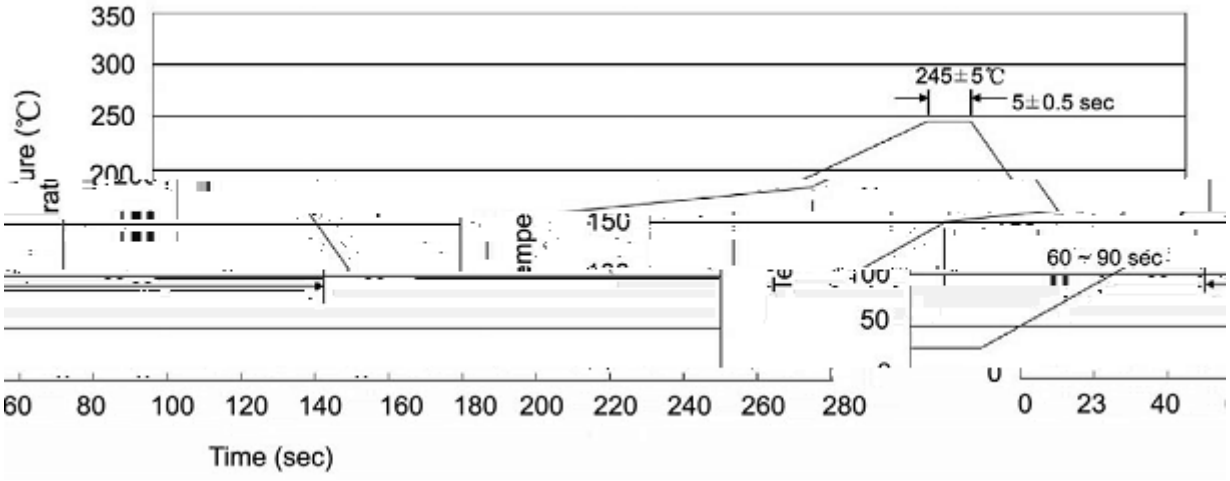

Note:

1 25 150 60 90sec;
2 245±5 5±0.5sec;
3 2 10 /sec.

1.Preheating:25~150 , Time:60~90sec.
2.Peak Temp.:245±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.

⅃ ὺ ɑ ˉ ˋY Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ ⊢ ⊂— / 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-89	1,000	7	7,000	8	56,000	7 ×12	180×120×180	385×257×392

ä ⅴ ⅃ ̈Ω / Notices