

Y / Descriptions

SOT-89	PNP	Silicon PNP transistor in a SOT-89 Plastic Package.
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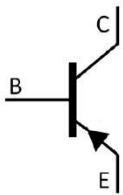
- **È / Features**

Low $V_{CE(sat)}$, complements the 2SD1664.

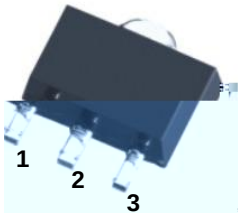
✓ / Applications

Medium power amplifier applications.

Equivalent Circuit



ã / û / Pinning



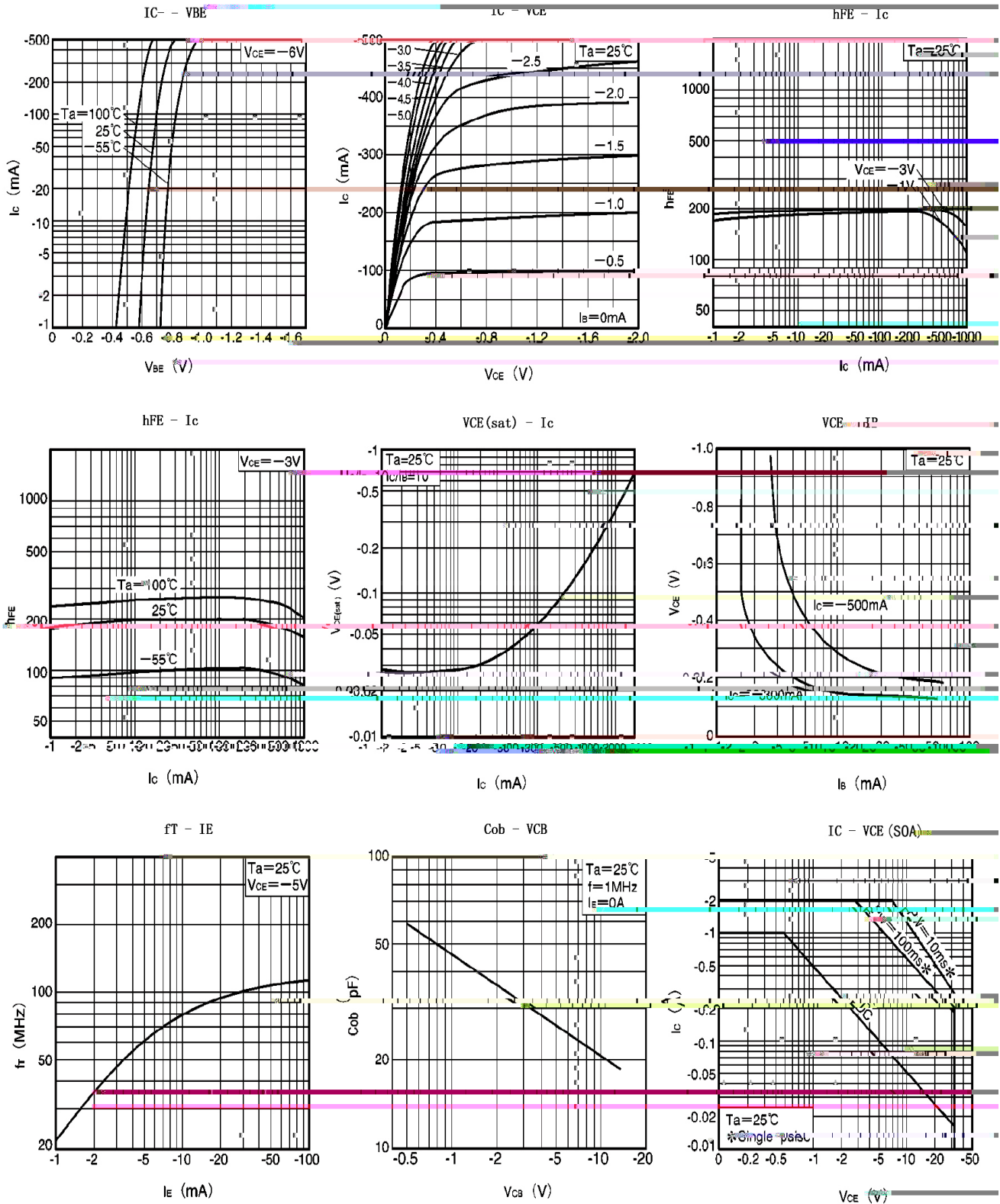
PIN1	Base	PIN 2	Collector	PIN 3	Emitter
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4. H 1 / Marking

h _{FE} Classifications Symbol	P	Q	R
h _{FE} Range	82 180	120 270	180 390
Marking	HBAP	HBAQ	HBAR

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-32	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current-Continuous	I_C	-1.0	A
Collector Current-Continuous(Pulse)	I_{CP}	-2.0	A
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation	$P_C(T_c=25^\circ\text{C})$	2.0	W
Junction Temperature	T_J	150	

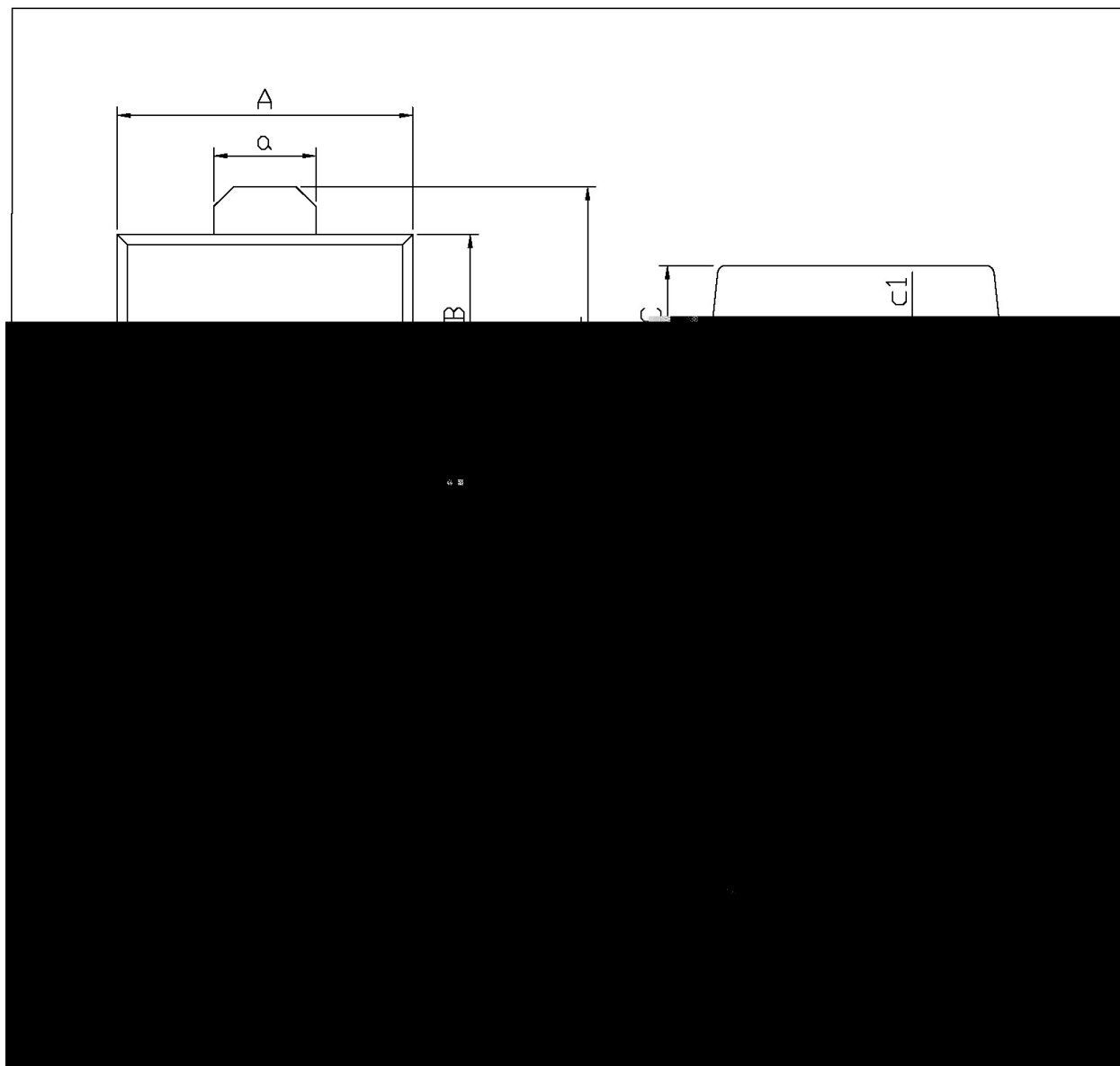
Electrical Characteristic Curve



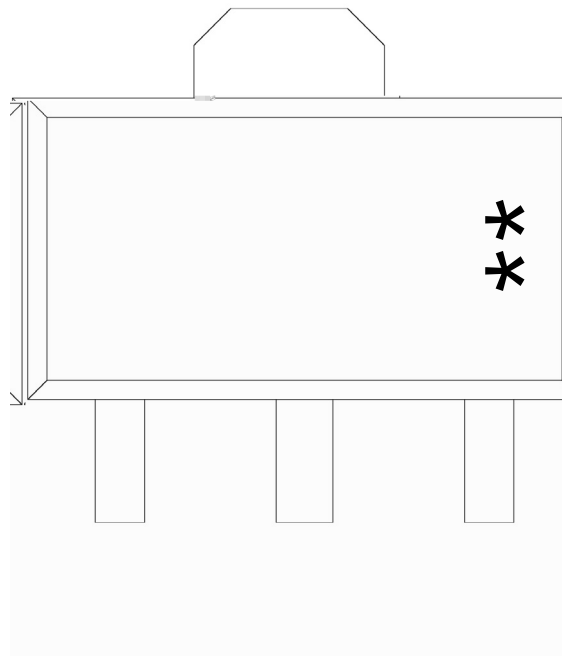
⊂ É Ò Ì f / Package Dimensions

SOT-89

单位: mm



4. 标记 / Marking Instructions



H

BA

P h_{FE}

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Note:

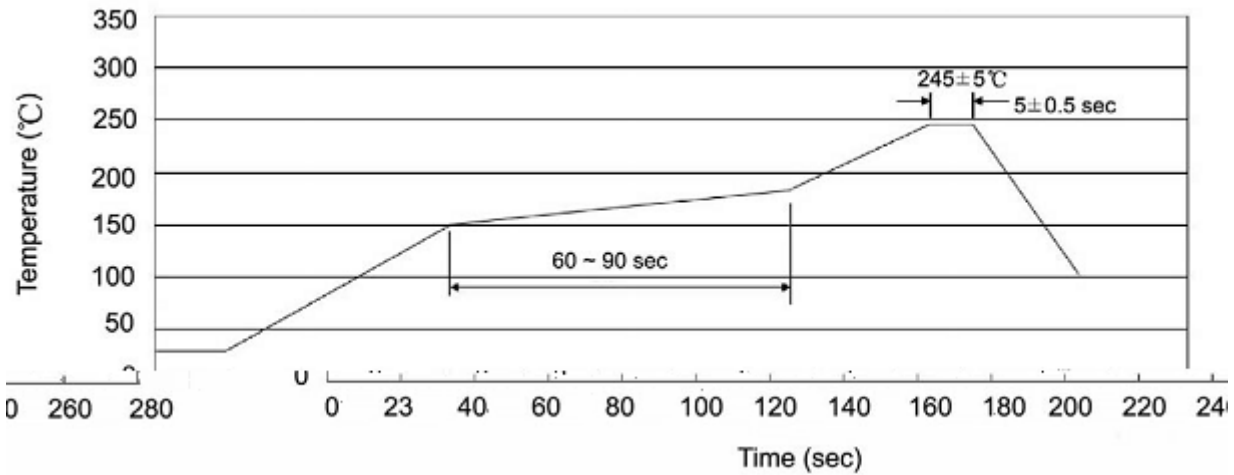
H: Company Code.

BA: Product Type.

P h_{FE} Classifications Symbol

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

Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0luhh,



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	Units					Dimension		(unit mm ³)