

/ Descriptions

SOT-89	NPN	Silicon NPN transistor in a SOT-89 Plastic Package.
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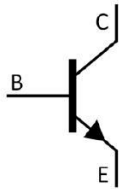
/ Features

Low $V_{CE(sat)}$, excellent DC current gain, complements the 2SB1386.

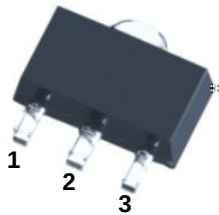
/ Applications

Strobe flash applications, general power amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1	Base	PIN 2	Collector	PIN 3	Emitter
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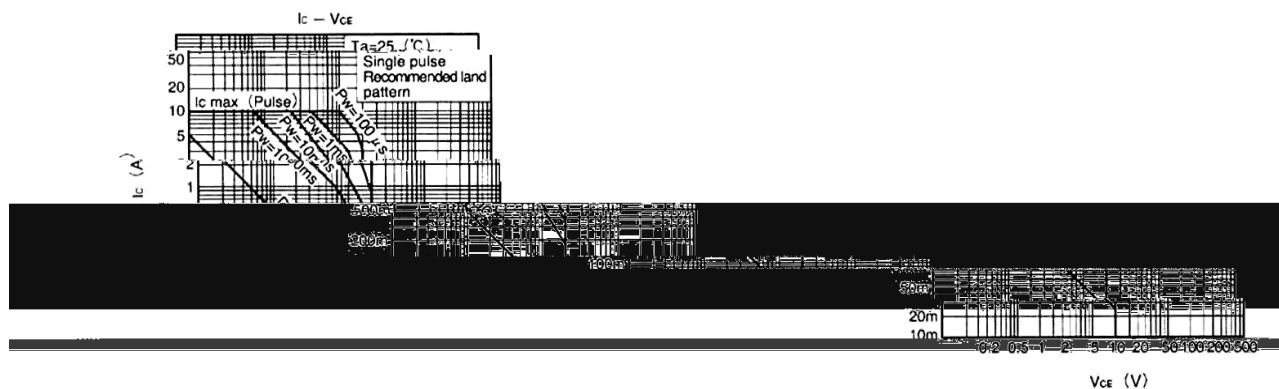
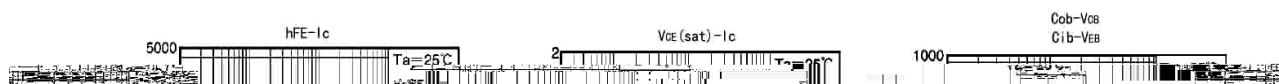
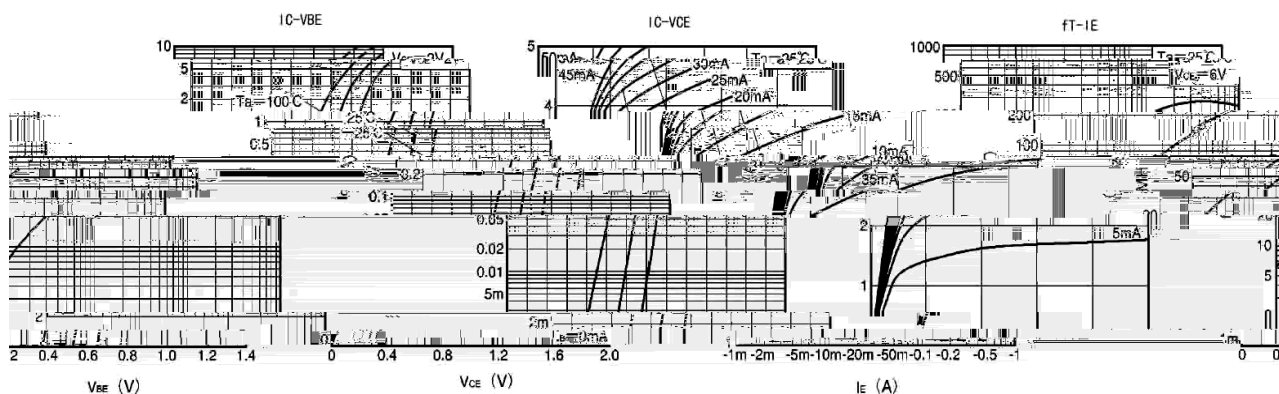
/ Marking

h _{FE} Classifications Symbol	Q	R
h _{FE} Range	120 270	180 390
Marking	HAHQ‡	HAHR ‡

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current-Continuous	I_C	5.0	A
Collector Current -Continuous(Pulse)	I_{CP}	10	A
Collector Power Dissipation	P_C	0.5	W
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

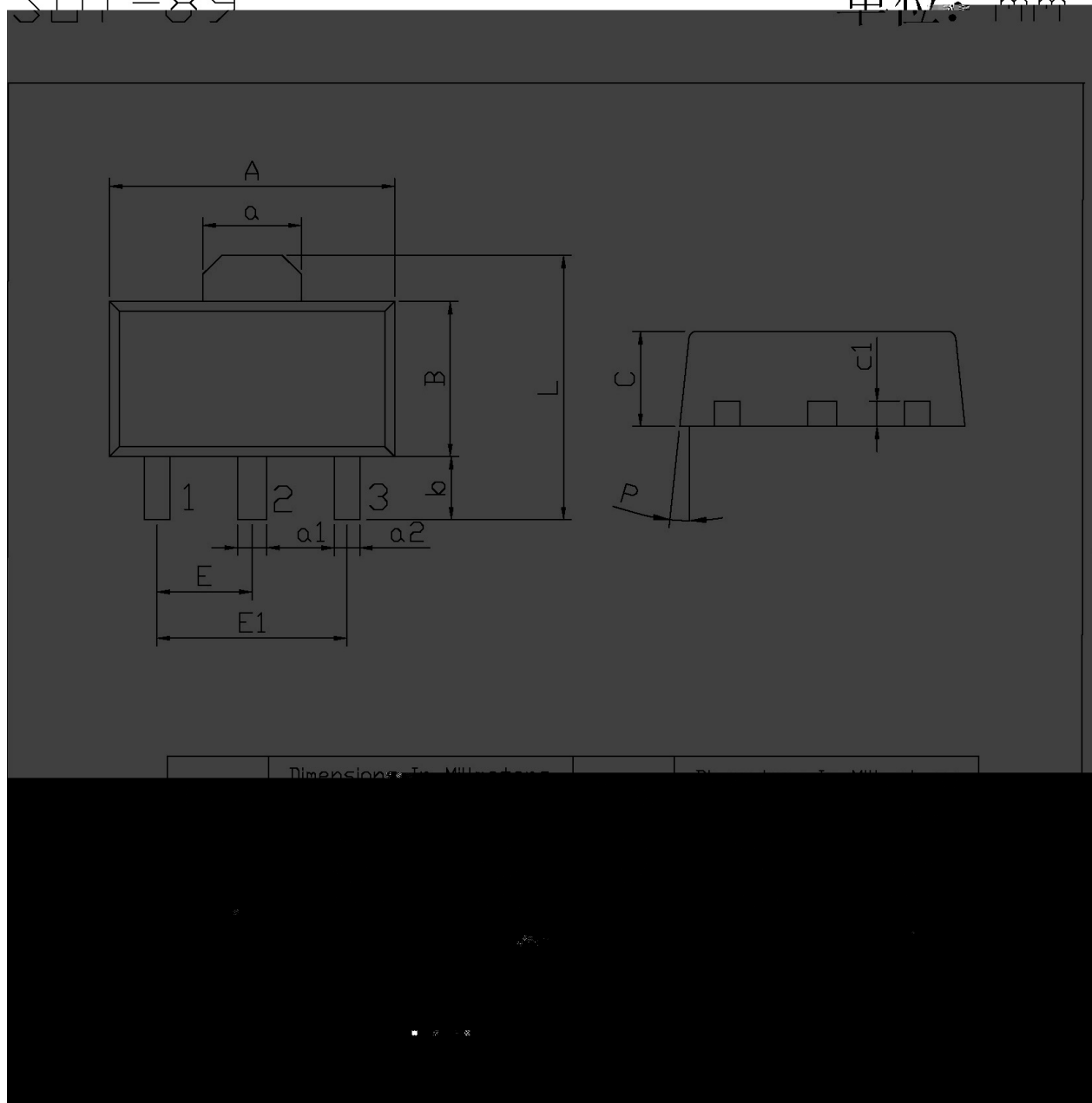
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=50\mu A$ $I_E=$				

/ Electrical Characteristic Curve

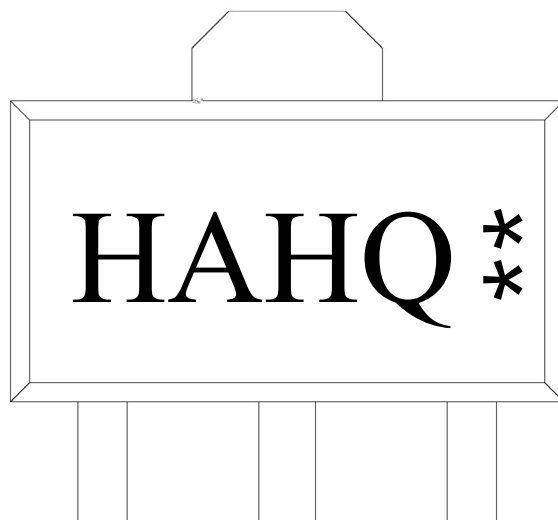


SOT-89

单位: 



/ Marking Instructions



H

AH

Q h_{FE}

**

Note:

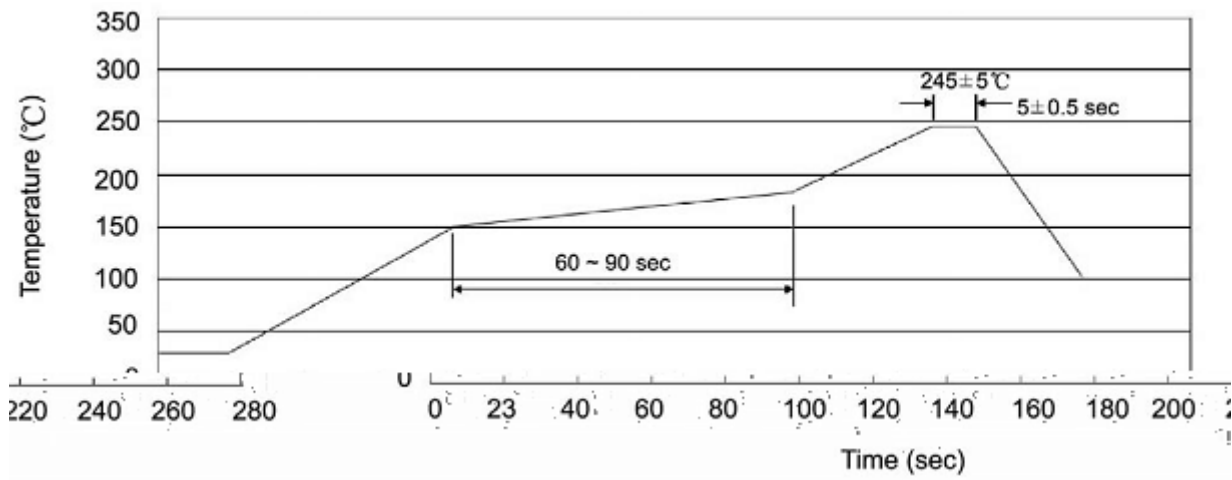
H: Company Code.

AH: Product Type.

Q h_{FE} Classifications Symbol

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

() / Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0lueh,



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 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

/ Notices