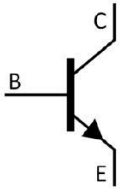


SOT-89 NPN Silicon NPN transistor in a SOT-89 Plastic Package.

Low $V_{CE(sat)}$, High performance at low supply voltage.

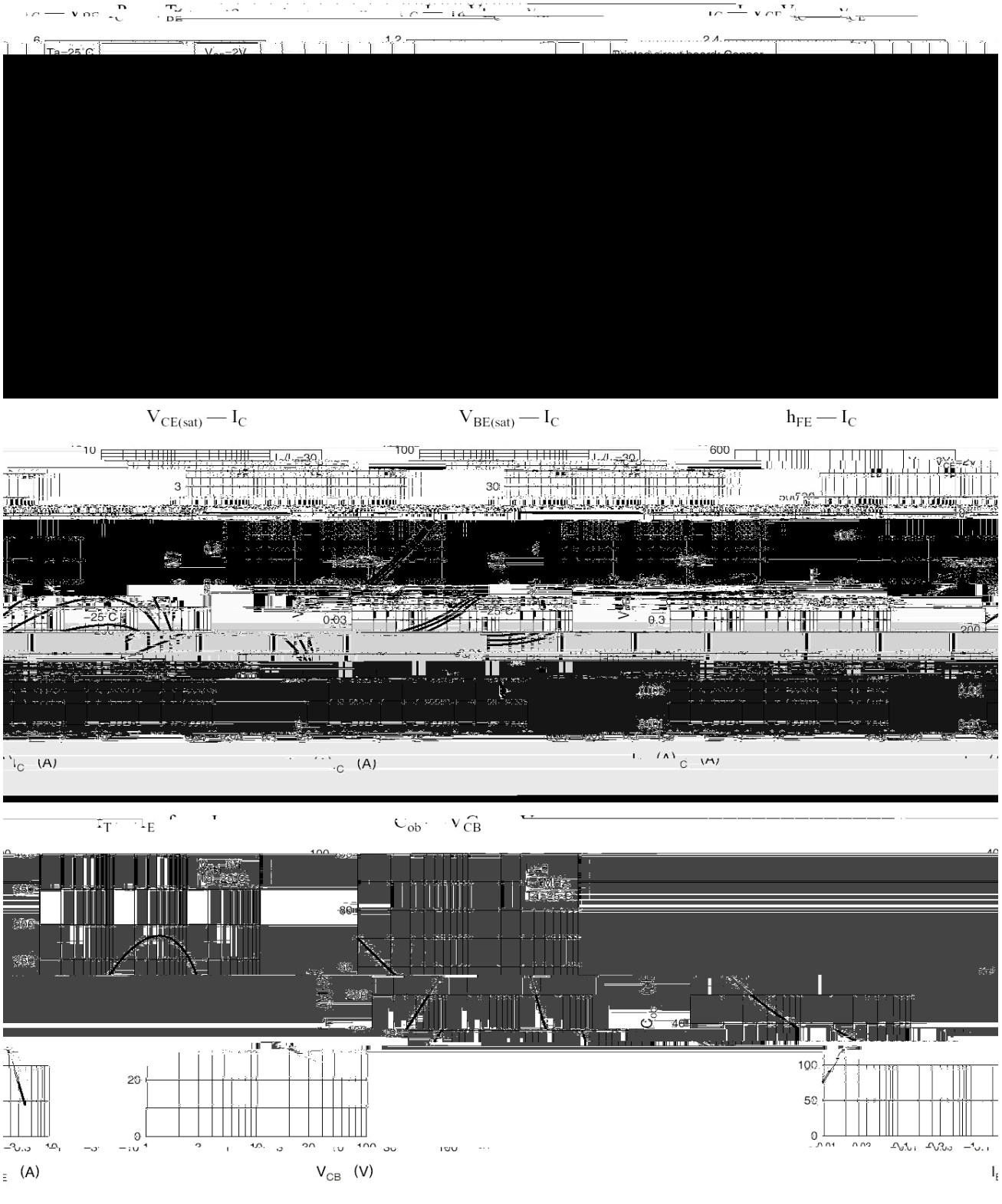
AF Power amplifier.



PIN1 Base PIN 2 Collector PIN 3 Emitter

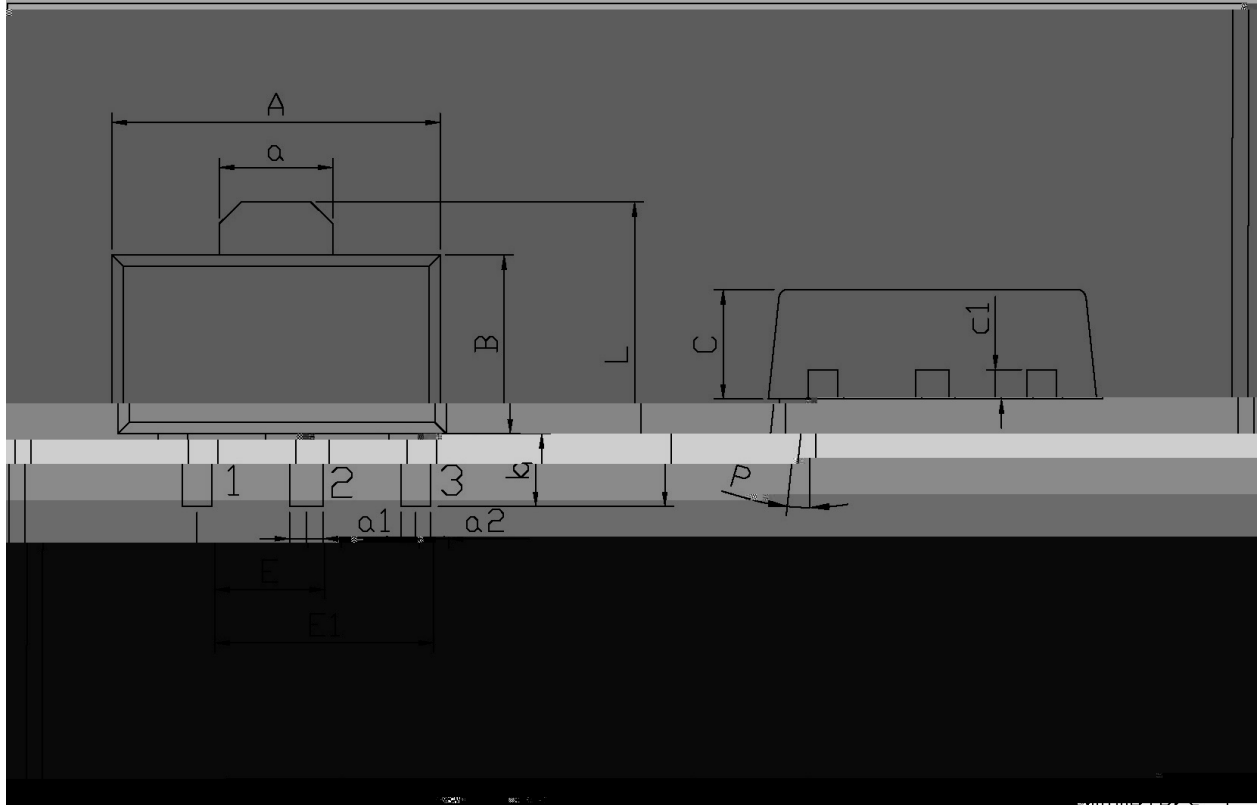
h_{FE} Classifications Symbol	P	Q	R
h_{FE} Range	180 270	230 380	340 600
Marking	HTP * **	HTQ * **	HTR * **

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	25	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current-Continuous	I_C	3.0	A
Collector Current -Continuous(Pulse)	I_{CP}	5.0	A
Collector Power Dissipation	P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T		

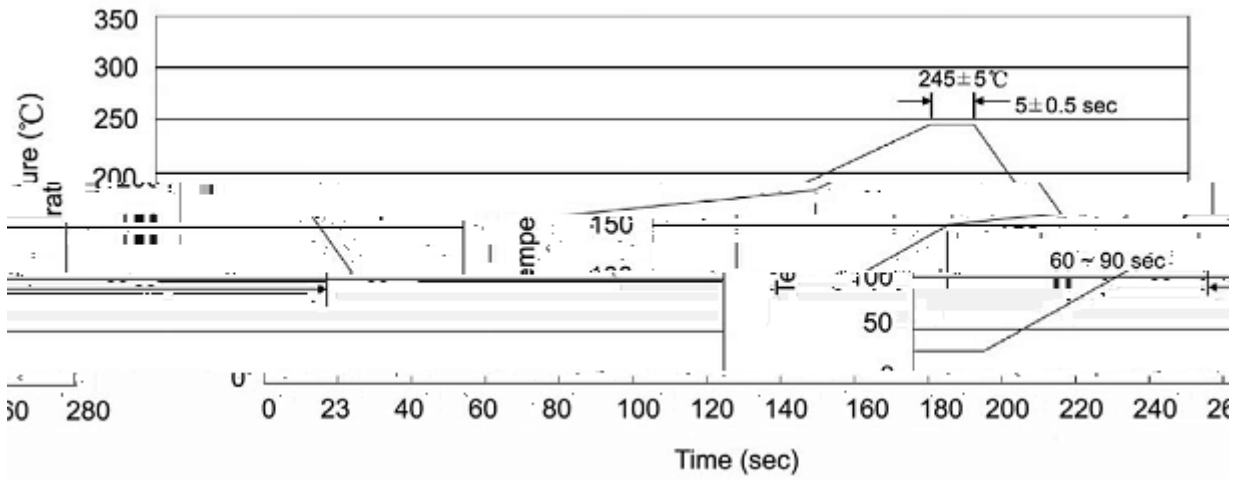


SOT-89

单位: mm



Symbol	Dimension in millimeters		Symbol	Dimension in millimeters	
	Min	Max		Min	Max
A	4.4	4.7	a1	0.36	0.56
a	0.25	0.45	a2	0.20	0.30
L	3.878	4.478	C	1.40	1.70



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. |

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

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT-89	1,000	7	7,000	8	56,000	7 ×12	s	