2SD2098

Rev.E Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

"Yت / Descriptions

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

◕È / Features

, , 2SB1386

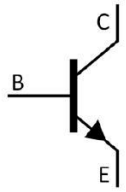
Low $V_{CE(sat)}$, excellent DC current gain , complements the 2SB1386.

٭ ِ / Applications

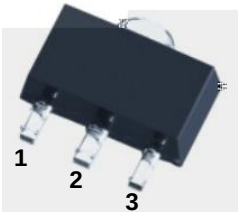
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Strobe flash applications, general power amplifier applications.

Л ُ ً ≠ ع / Equivalent Circuit



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PIN1 Base PIN 2 Collector PIN 3 Emitter

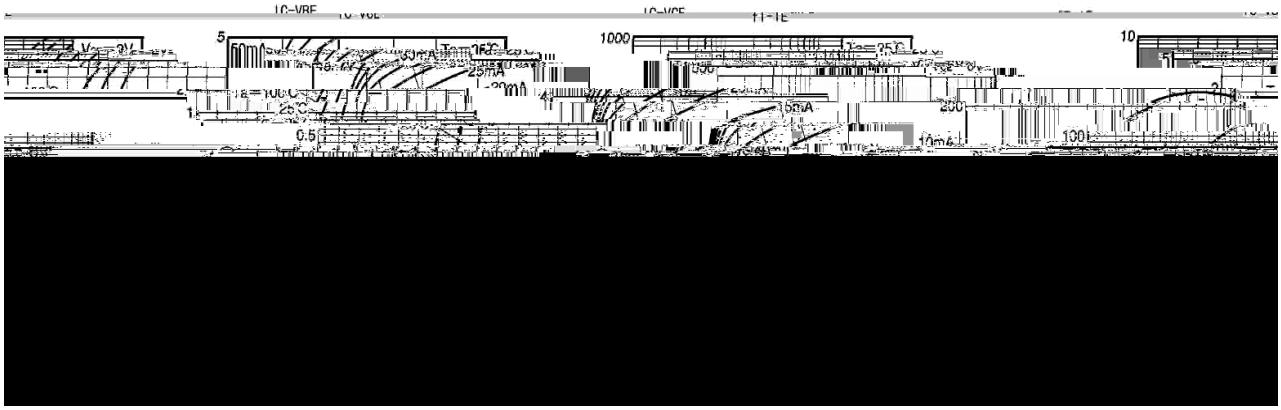
ł. ʜ ت / Marking

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=50μA I_E				

≠ ∃ ₹Ą´E ∀ ƒ / Electrical Characteristic Curve

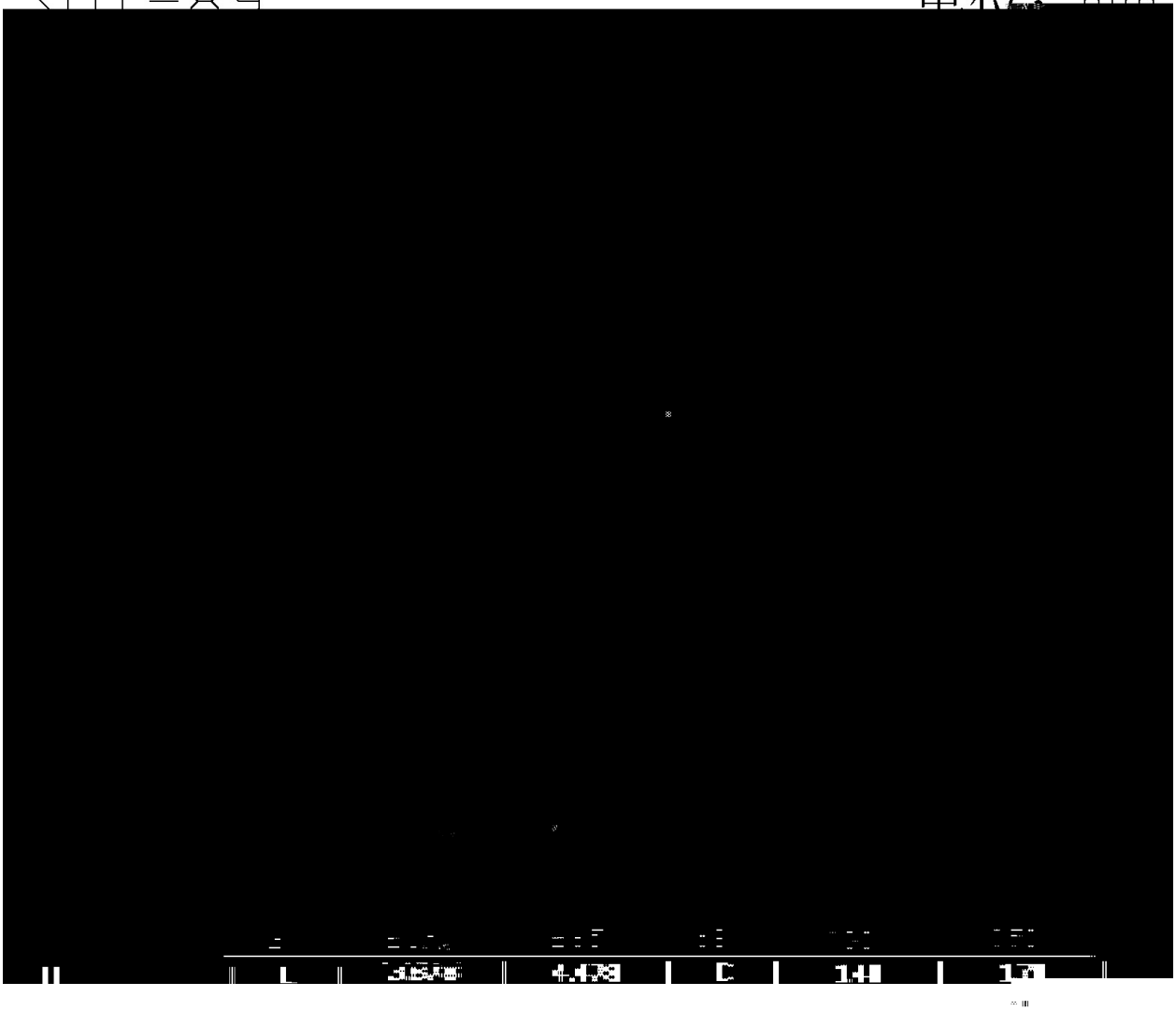




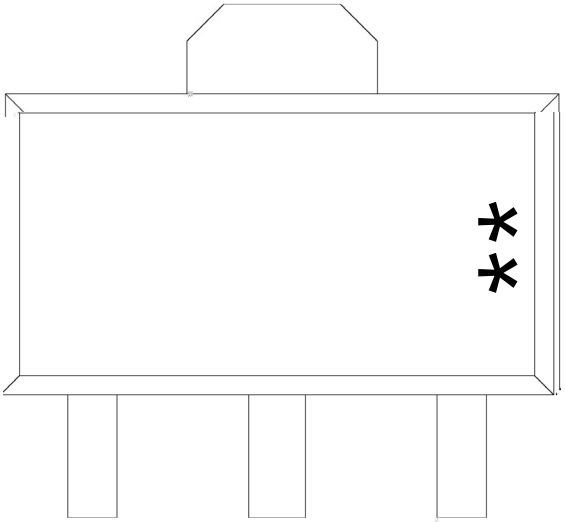


ᵘ ĖÒĻ ʃ / Package Dimensions

SOT-89 单位：mm



Ł. Ł Ω / Marking Instructions



H

AH

Q h_{FE}

**

Note:

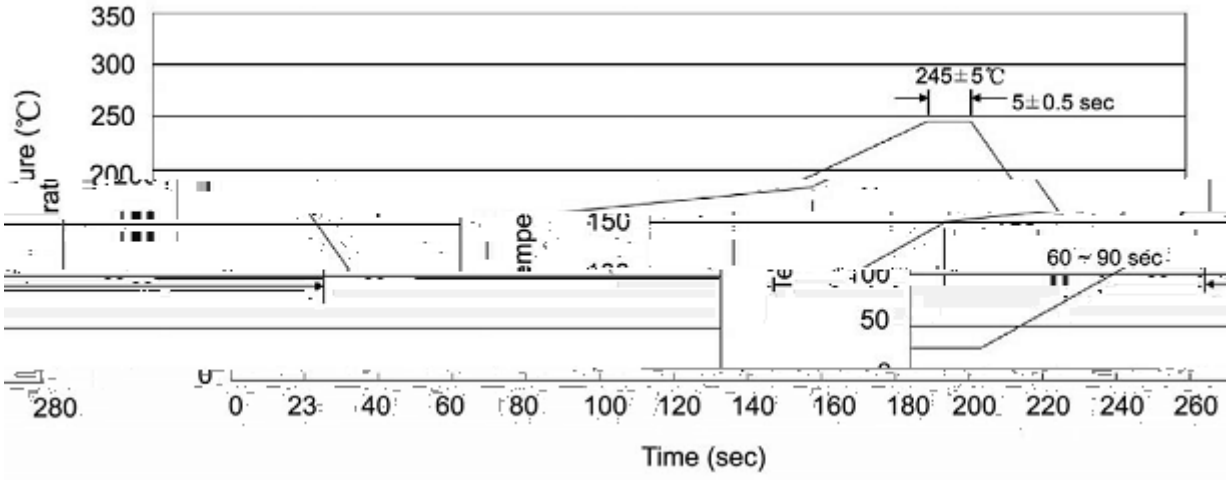
H: Company Code.

AH: Product Type.

Q h_{FE} Classifications Symbol

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

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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.

ⅎ ü q ‗ `Y Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ Ŀ ≮ — / 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

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