

/ Descriptions

SOT-323 NPN Silicon NPN transistor in a SOT-323 Plastic Package.

/ Features

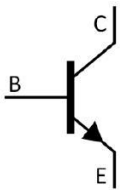
BC856W

High current, low voltage complementary pair with BC856W.

/ Applications

General purpose switching and amplification.

/ Equivalent Circuit



/ Pinning



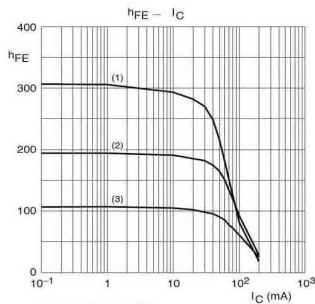
PIN1 Emitter PIN 2 Base PIN 3 Collector

/ Marking

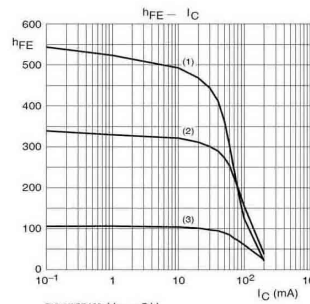
h_{FE} Classifications Symbol	A	B
h_{FE} Range	110 220	200 450
Marking	H1A	H1B

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	80	V
Collector to Emitter Voltage	V_{CEO}	65	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	100	mA
Peak Collector Current - Continuous	I_{CM}	200	mA
Peak Collector Base - Continuous	I_{BM}	200	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	E-0.0005 Tc5or e

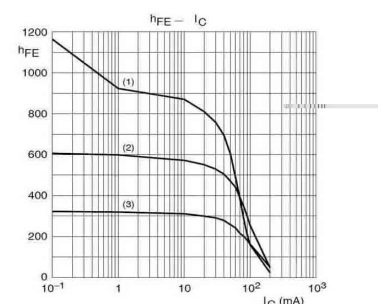
/ Electrical Characteristic Curve



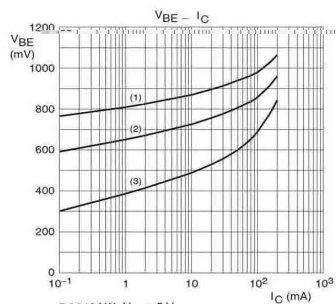
BC846AW; $V_{CE} = 5V$.
(1) $T_{amb} = 150^{\circ}C$.
(2) $T_{amb} = 25^{\circ}C$.
(3) $T_{amb} = -55^{\circ}C$.



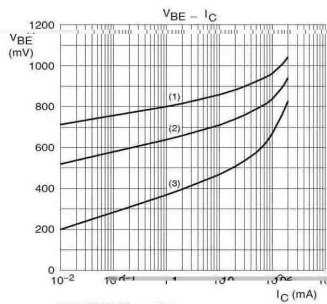
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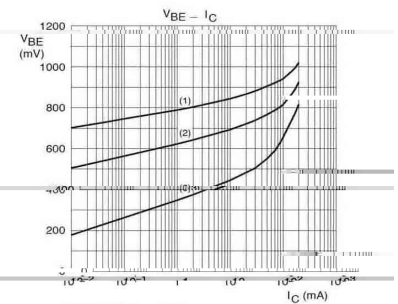
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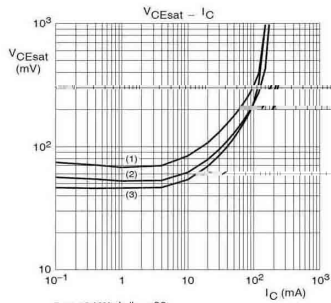
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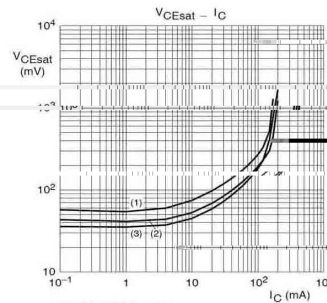
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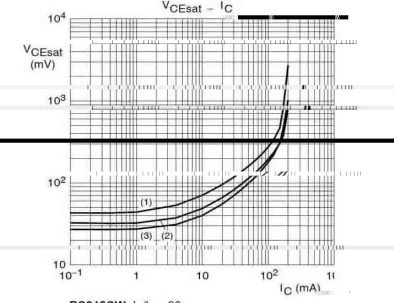
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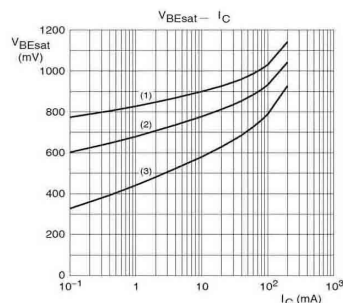
BC846AW; $I_C/I_B = 20$.
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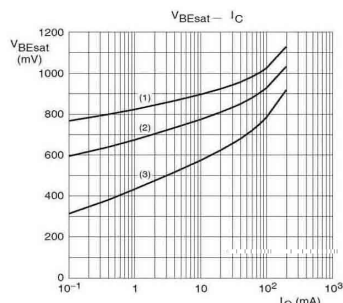
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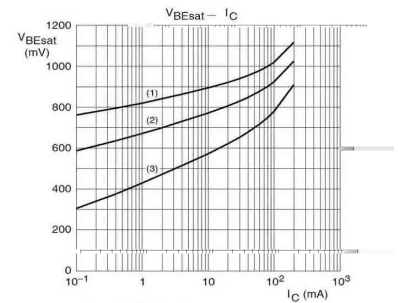
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BC847AW; $I_C/I_B = 10$.
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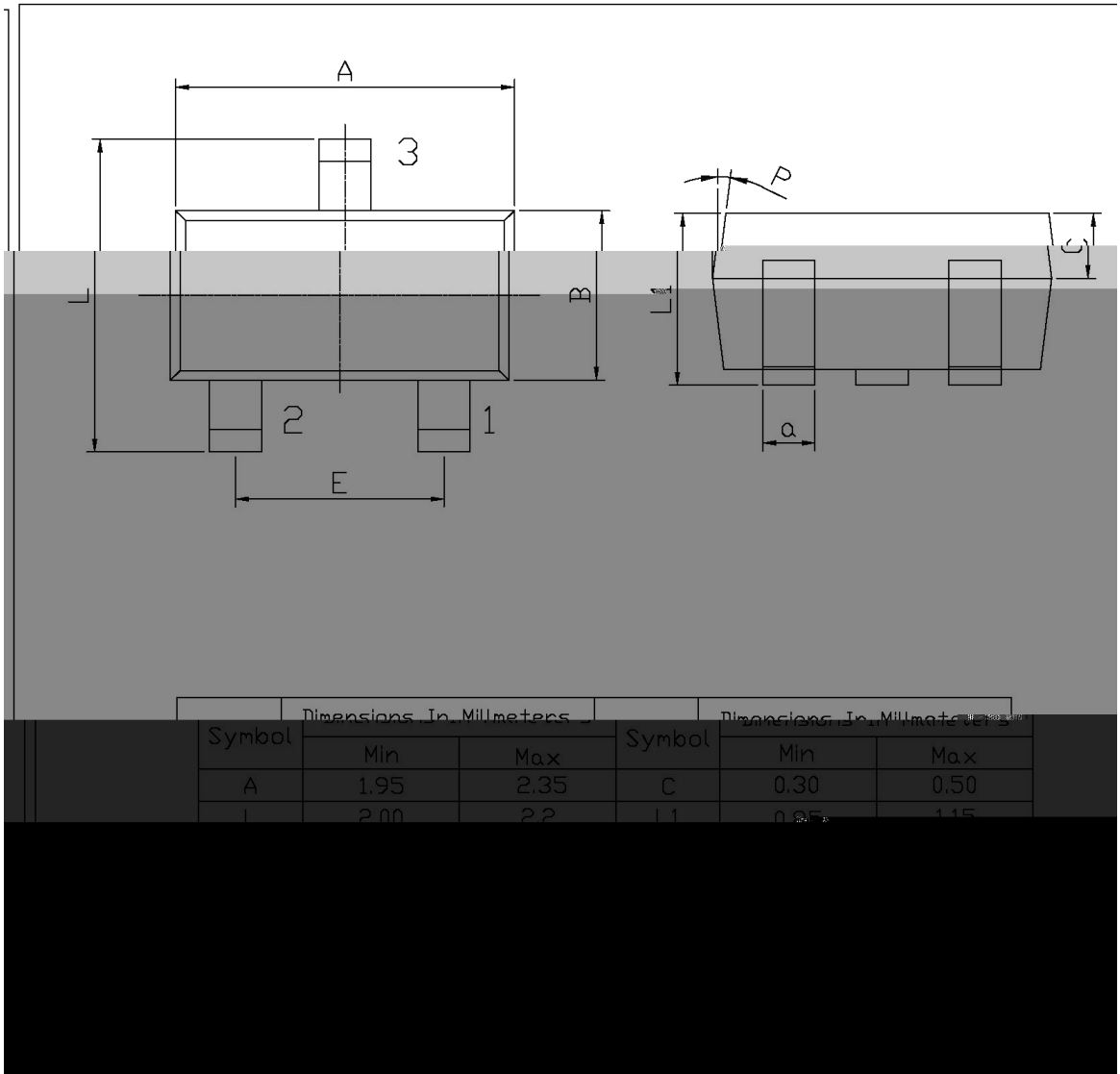


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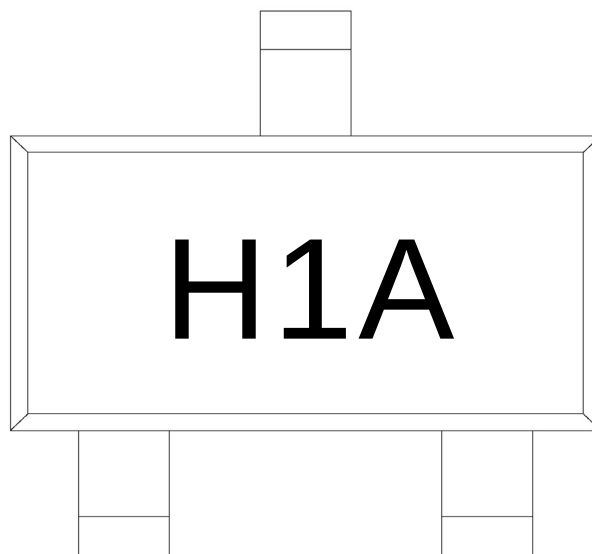
/ Package Dimensions

SOT-323

单位: mm



/ Marking Instructions



H

1

A

h_{FE}

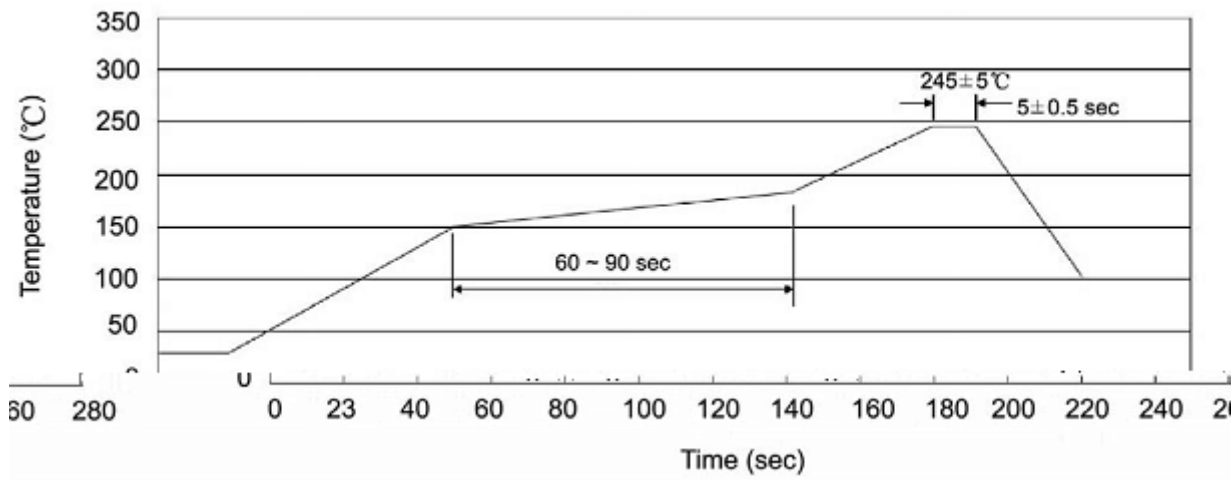
Note:

H: Company Code.

1: Product Type.

A: h_{FE} Classifications Symbol

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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.

/ 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)		

/ Notices