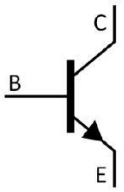
VRW0656 ṂṂ Ḫ QSQ ÆṀ ч s ‖ ㄱ Silicon NPN transistor in a SOT-323 Plastic Package.

ᵶ Ɔ ╙ ı Ӈ Ɔ я ı лъ EF ; 89 Z Й ´
High current, low voltage complementary pair with BC856W.

ᵶ ˇ ѽ ᵶ ȝ Ầ Ԋ Ɔ ب
General purpose switching and amplification.

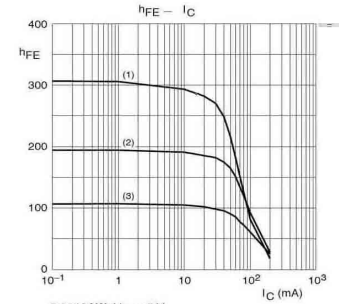
Лф ᾇ ≠ ɛ / Equivalent Circuit



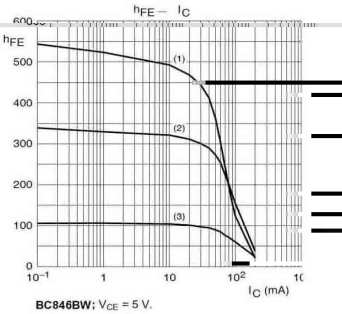
PIN1 χ

v ˝Ω Parameter	ϒ N Symbol	˝Ω Ö Rating	D Ч 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

≠ Ǝ ÃʹE ᛋ ƒ / Electrical Characteristic Curve



BC846AW; V_{CE} = 5 V.
(1) T_{amb} = 150 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = −55 °C.



BC846BW; V_{CE} = 5 V.
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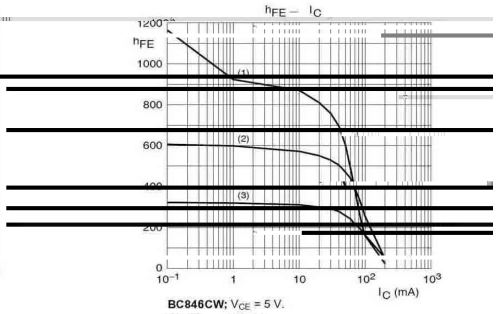
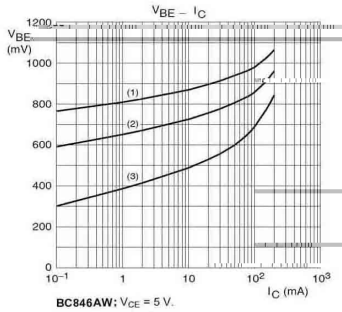
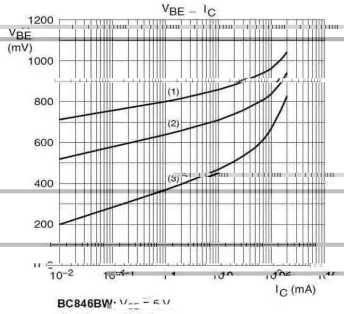
(3) T_{amb} = −55 °C.



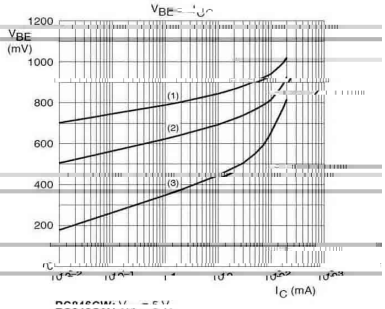
BC846CW; V_{CE} = 5 V.
(1) T_{amb} = 150 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = −55 °C.



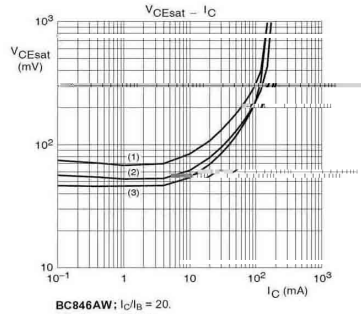
BC846AW; V_{CE} = 5 V.
(1) T_{amb} = −55 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = 150 °C.



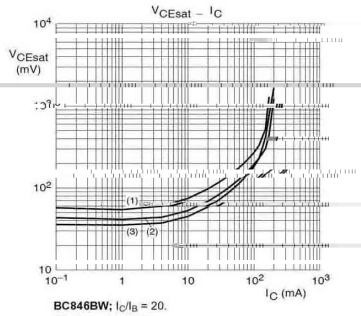
BC846BW;
(1) T_{amb} = −55 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = 150 °C.



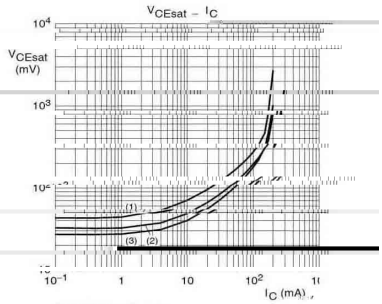
(1) T_{amb} = −55 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = 150 °C.



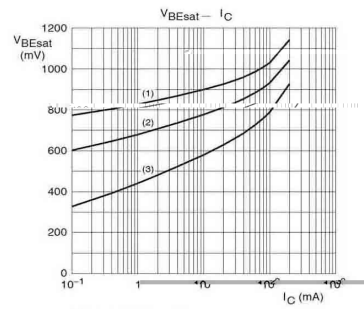
BC846AW; I_C/I_B = 20.
(1) T_{amb} = 150 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = −55 °C.



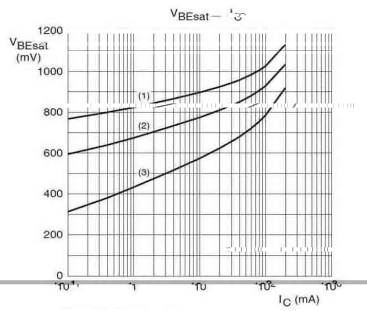
BC846BW; I_C/I_B = 20.
(1) T_{amb} = 150 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = −55 °C.



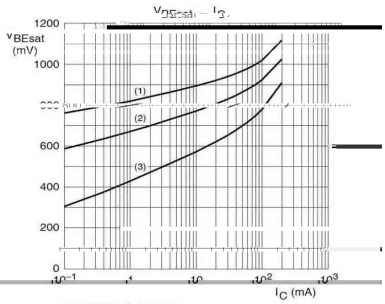
BC846CW; I_C/I_B = 20.
(1) T_{amb} = 150 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = −55 °C.



BC847AW; I_C/I_B = 10.
(1) T_{amb} = −55 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = 150 °C.



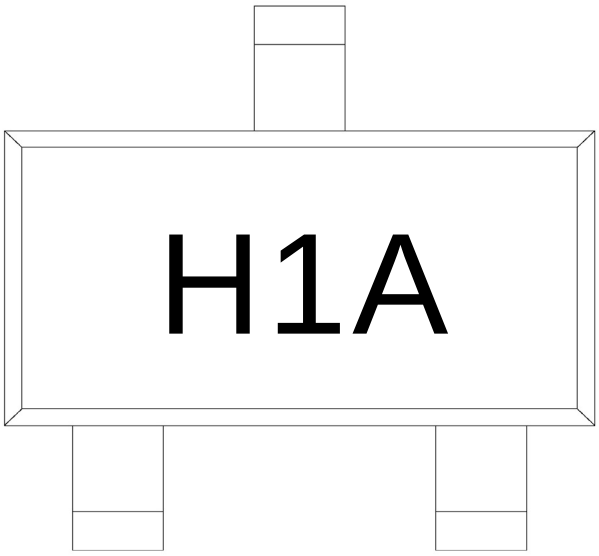
BC847BW; I_C/I_B = 10.
(1) T_{amb} = −55 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = 150 °C.



(1) T_{amb} = −55 °C.
(2) T_{amb} = 25 °C.
(3) T_{amb} = 150 °C.

ᵘ Ė Ò Ļ ʃ / Package Dimensions

ł. Ļ Ω / Marking Instructions



ب ˝ χ

H χ ѭ ҳ и Ґ

1 χ ѭ ҙ N Ґ

A χ ѭ h_{FE} ‘ 6 Ґ

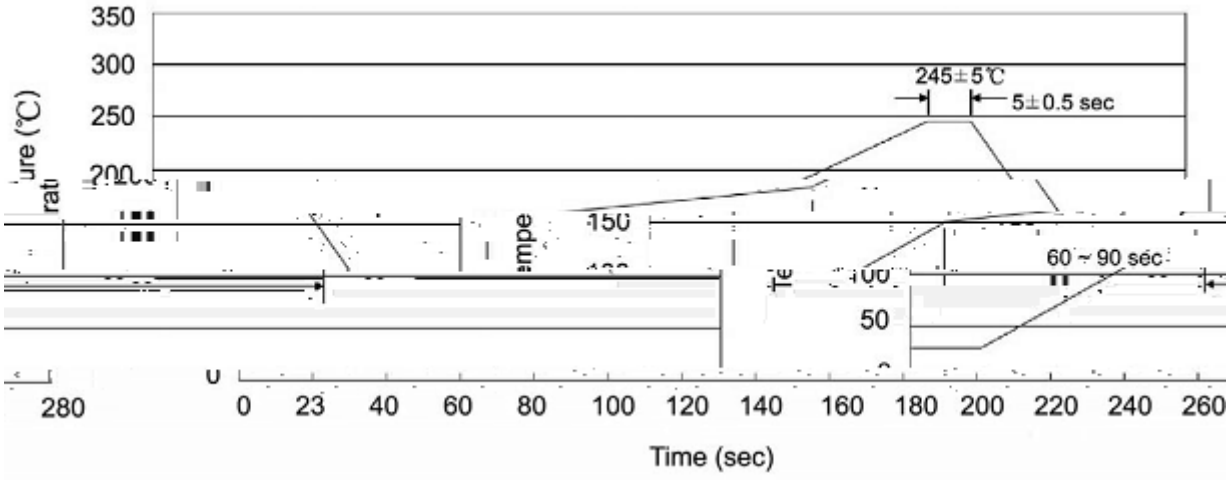
Note:

H: Company Code.

1: Product Type.

A: h_{FE} Classifications Symbol

ѭ ʃ ╕ ẘ ´E ⅵ ƒ (ᾠ ᴈ) / Wh p shudwxuh Suril oh i ru LU Uhi o r z Vr oghulq j +Se0luhh,



ᴗ ˝ χ

1 Ĺ ♬ □ ẙ 25 Ḱ 150 ɬ ı ˋH ᴊ 60 Ḱ 90sec;

2 Š Ë □ ẙ 245 ° 5 ɬ ı ˋH ᴊ ˋY ⅄ ѭ 5 ° 0.5sec;

3 ì ˙ ⅵ ˛ ɔ ѡ ẙ ѭ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:245 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

⅄ ŭ ɋ ¯ ˋY Ţ / Resistance to Soldering Heat Test Conditions

□ ẙ χ 260 ° 5 ɬ ˋH ᴊ χ 10 ° 1 sec. Temp.:260±5 Time:10±1 sec

ɒ Ŀ ≮ — / Packaging SPEC.

ɔ ` ɣ Ŀ / REEL

Package Type	Units					Dimension		(unit mm^3)

ä ⍮ ŗ Ω / Notices