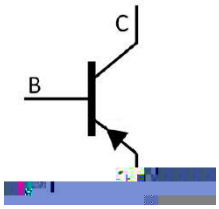
VRW0656 ṂṂ Ł SQS Æ Ṁ ч s Ⅱ ㄱ Silicon PNP transistor in a SOT-323 Plastic Package.

ᵶ Ɔ Ⅼ ı Ӈ Ɔ я ı љ EF ; 4 : Z Й ´
High current, low voltage complementary pair with BC817W.

ᵵ ˇ ѽ ᵶ ʒ Ầ ԋ Ɔ ت
General purpose switching and amplification.

Л ̌ ̃ ≠ Ɛ / Equivalent Circuit





PIN1 χ Emitter PIN 2 χ Base PIN 3 χ Collector

bĵ8A.ƀ)EEỸVy

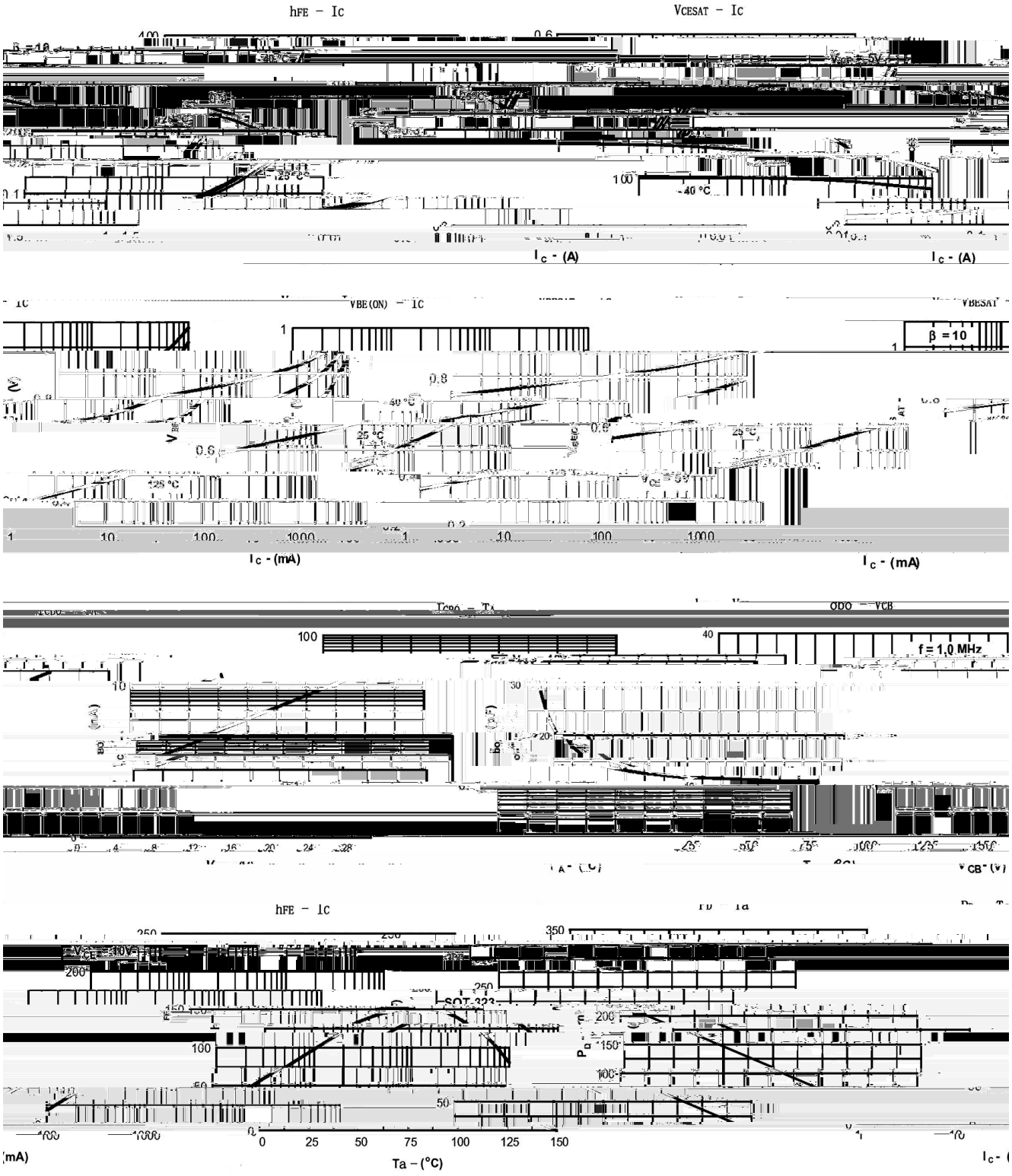
ώ ̈ Ξ ̃Ạ / Absolute Maximum Ratings(Ta=25 ɹ)

v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ꮋ Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-45	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-500	mA
Peak Collector Current - Continuous	I_{CM}	-1.0	A
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

≠ ∕ Ξ ̃Ạ

v ̈Ω Parameter	ϒ N Symbol	⅄ ː ϯ ϯ Test Conditions	ώ ṇ Ö Min	Ɛ ʒ Ö Typ	ώ ≠ Ö Max	D Ꮋ Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=-20V I_E=0			-0.1	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-5.0V I_C=0			-0.1	μA
DC Current Gain	h_{FE}	V_{CE}=-1.0V I_C=-100mA	100		600	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-500mA I_B=-50mA			-0.7	V
Base to Emitter Voltage	V_{BE}	V_{CE}=-1.0V I_C=-500mA			-1.2	V
Transition Frequency	f_T	V_{CE}=-5V I_C=-10mA f=100MHz	80			MHz
Collector Capacitance	C_C	V_{CB}=-10V I_E=ie=0 f=1.0MHz		10		pF

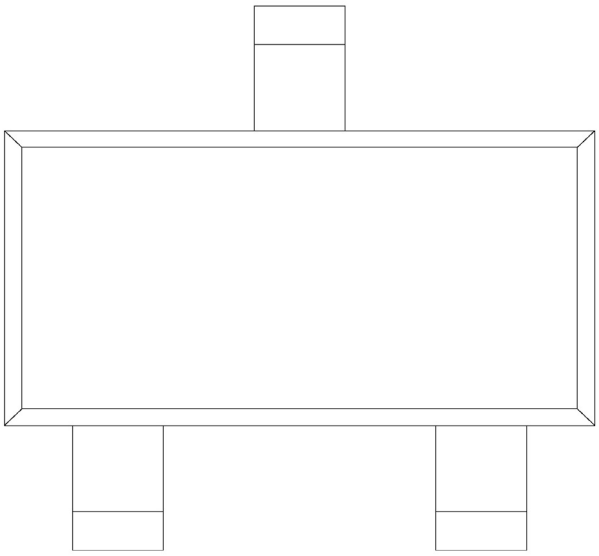
≠ Ǝ ̃Ạ ́E ∀ ƒ / Electrical Characteristic Curve



ᵘ ĖÒĻ ʃ / Package Dimensions

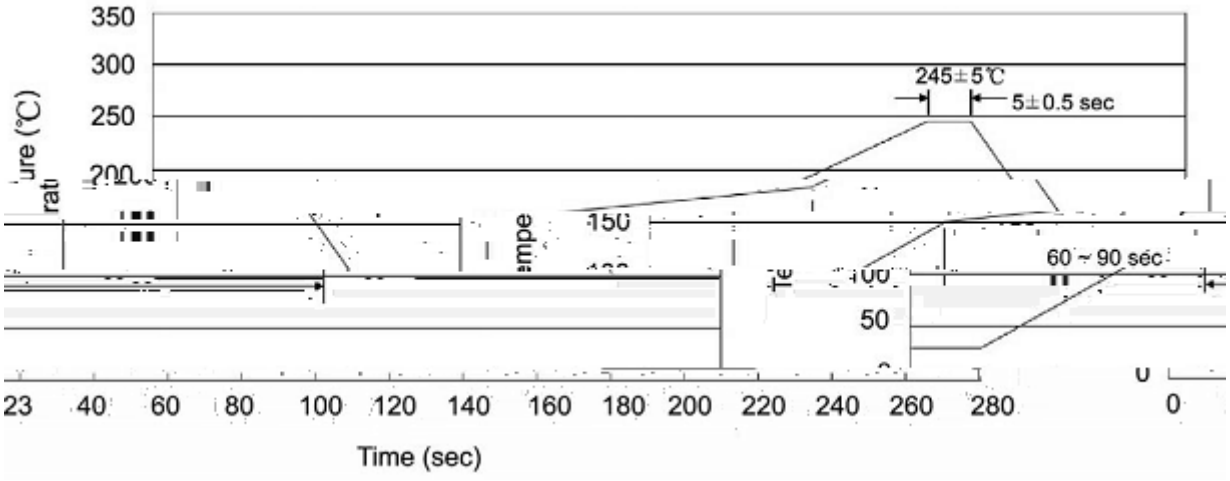


ł. Ļ Ω / Marking Instructions



ب ˝ χ

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



ᄂ ᵔ χ

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

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

3 ì ˙ ⅄ ˛ 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 ˉ ˋY Ţ / Resistance to Soldering Heat Test Conditions

□ ẙ χ 260 ° 5 ɬ ˋH ᴈ 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)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

ä ⅴ ŗ Ѽ / Notices