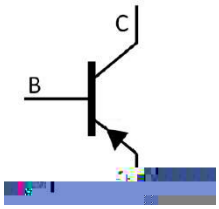
VRW0656 ṂṂ Ł SQS ÆṀ ч s ǁ ˥ Silicon PNP transistor in a SOT-323 Plastic Package.

ﻭ ɔ ǁ ´ ǁ ɔ ǁ ƶ ı ت ⁼ я ں Ӊ ı љ 5VF4:74Z Й ´
Large I_c low $V_{ce(sat)}$



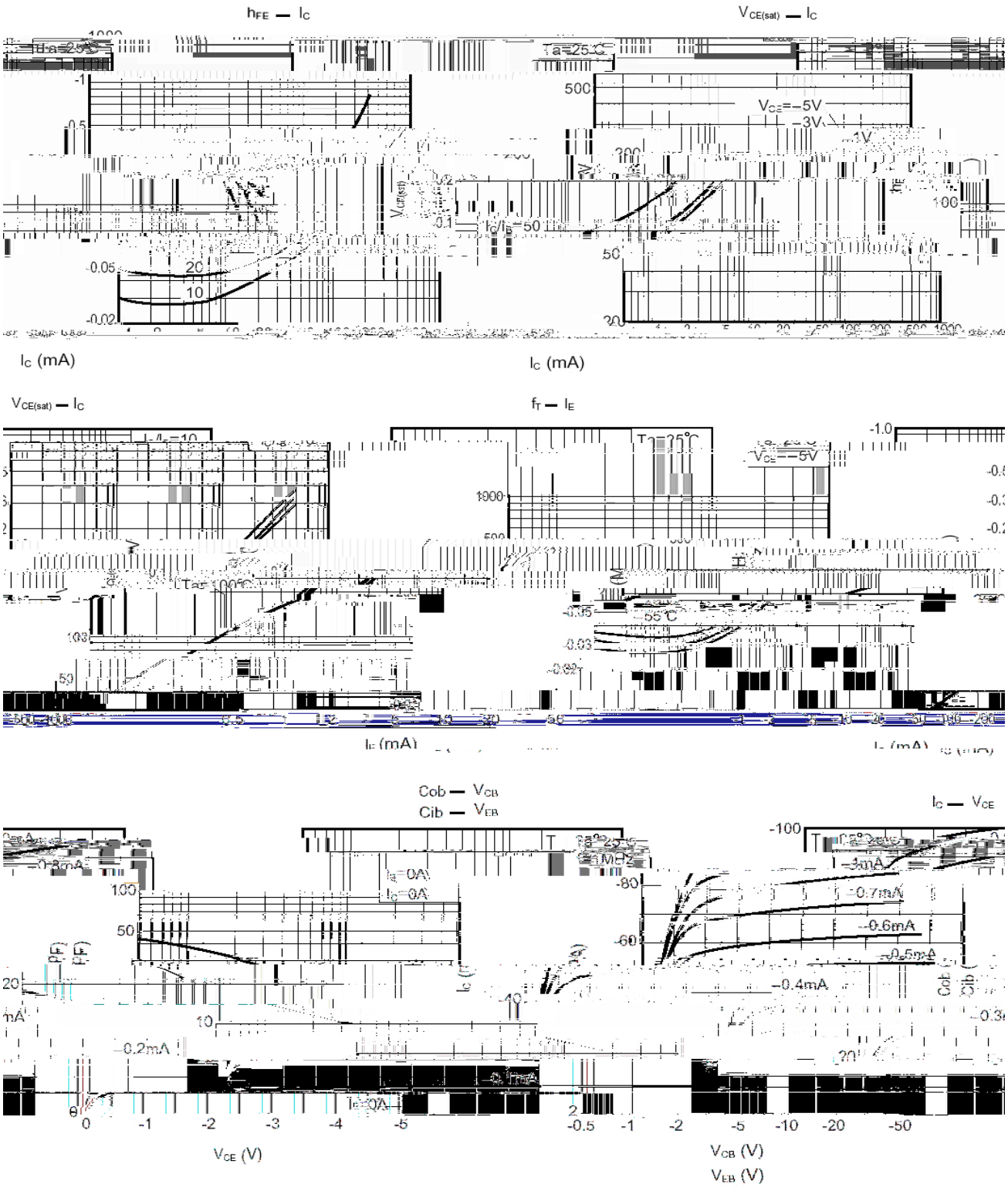
ώ ₫ Ǝ Ặ / Absolute Maximum Ratings(Ta=25 ɹ)

v ̈Ω Parameter	ϟ N Symbol	̈Ω Ö Rating	D Ꮋ Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-32	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-500	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

≠ ∧ Ǝ Ặ / Electrical Characteristics(Ta=25 ɹ)

v ̈Ω Parameter	ϟ N Symbol	⫫ ⁝ ⍑ ⍑ Test Conditions	ώ ṇ Ö Min	Ɛ ʒ Ö Typ	ώ ≠ Ö Max	D Ꮋ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100μA	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA	-32			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100μA	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-20V			-1.0	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-4.0V			-1.0	μA
DC Current Gain	h_{FE}	V_{CE}=-3.0V I_C=-10mA	82		390	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-100mA I_B=-10mA			-0.4	V
Transition Frequency	f_T	V_{CE}=-5.0V I_E=20mA f=100MHz		200		MHz
Collector output capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1.0MHz		7.0		pF

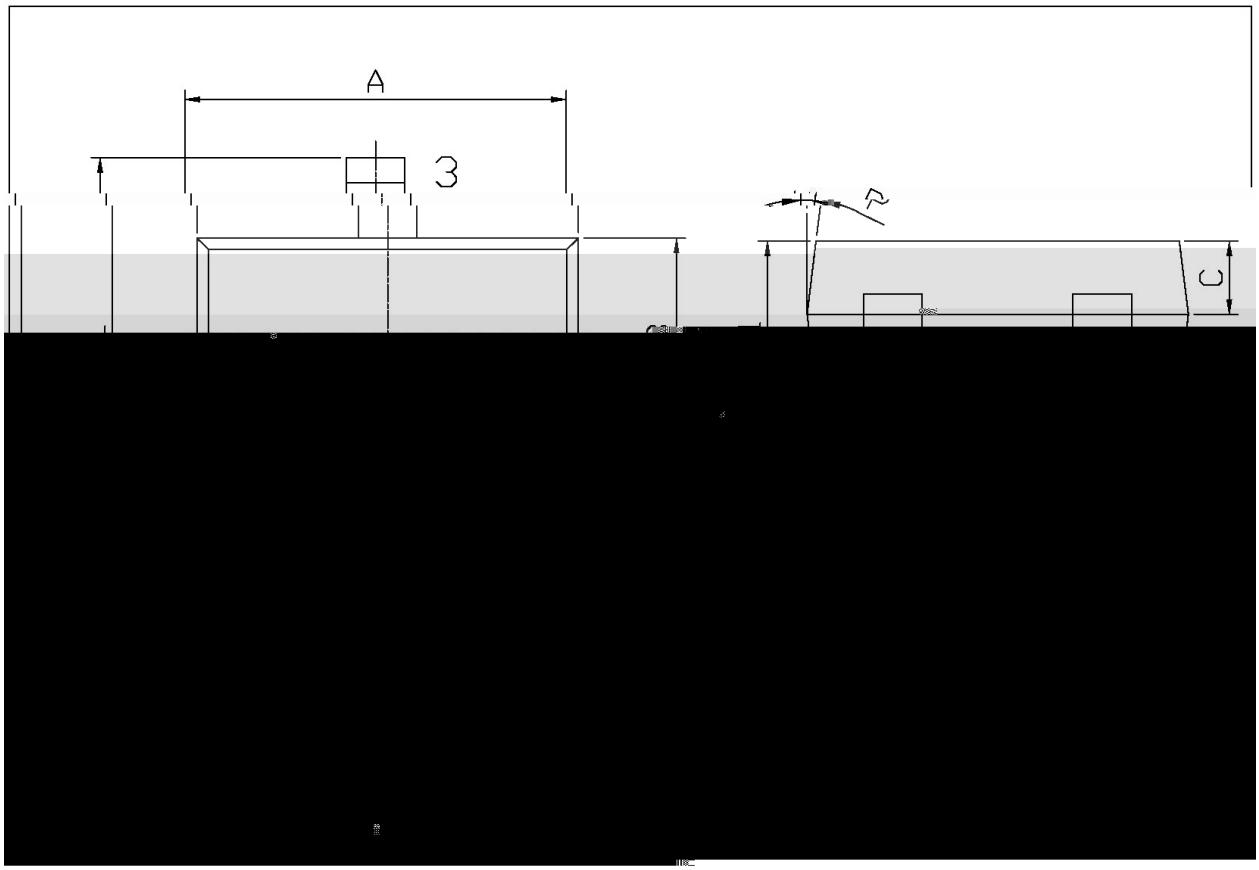
⁝ ƎÃ´E ⅵ ƒ / Electrical Characteristic Curve



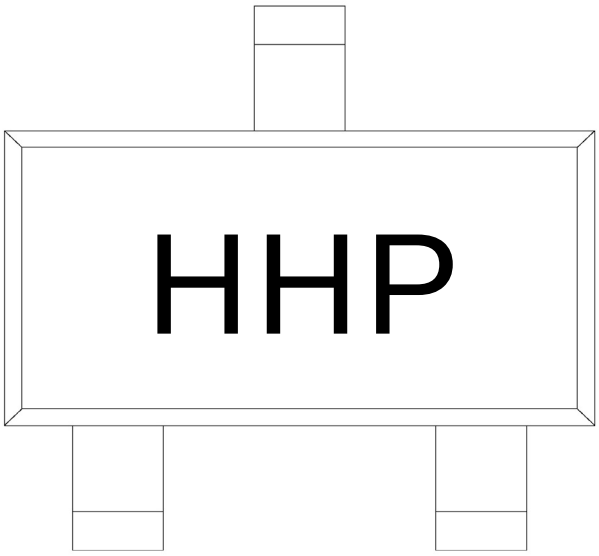
ᵘ ĖÒĻ ʃ / Package Dimensions

SOT-323

单位：mm



Ł. Ľ˝Ω / Marking Instructions



ب ˝ χ

H χ ⌘ ʒ ᴵ Ɒ

H χ ⌘ ʒ ᴺ Ɒ

P χ ⌘ h_{FE} ʿ ᶠ Ɒ

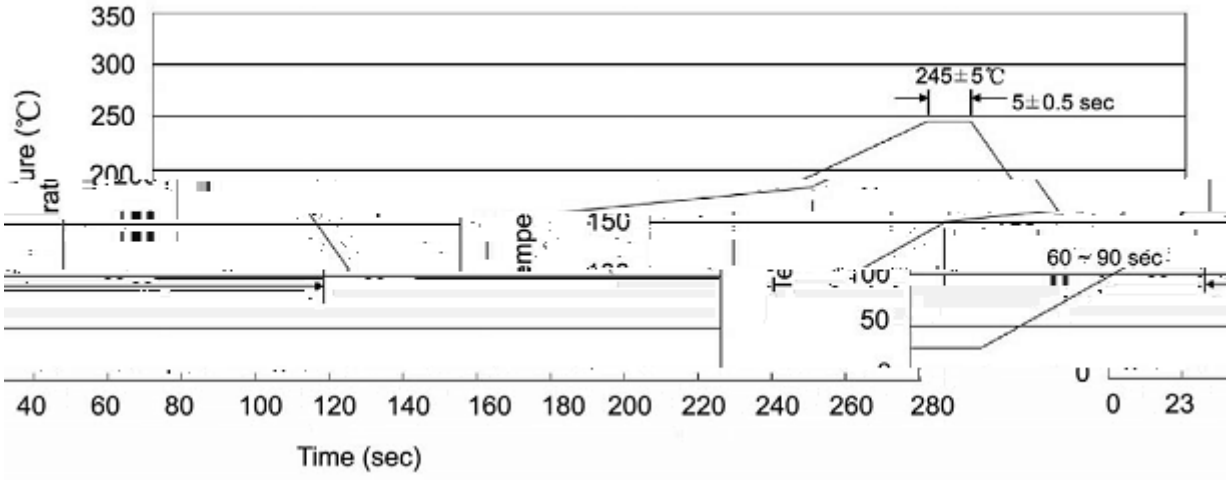
Note:

H: Company Code.

H: Product Type.

P χ h_{FE} Classifications Symbol

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



ᴗ ˝ χ

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

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

3 ì ˙ ⅵ ˛ ɔ ѡ ẙ ㎛ 2 Ќ 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.

ⅵ 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 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-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

ä ⅴ ŗ Ω / Notices