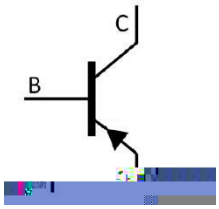
VRW0656 ṂṂÞ SQS ÆṀ ч s ‖ ㄱ Silicon PNP transistor in a SOT-323 Plastic Package.

ق ɔ ‖´ ㄴɔ ㄴ ž ı ت ⊐ я ∪ Ң ı љ 5VF4:74 Z Й´
Large I_c low $V_{ce(sat)}$



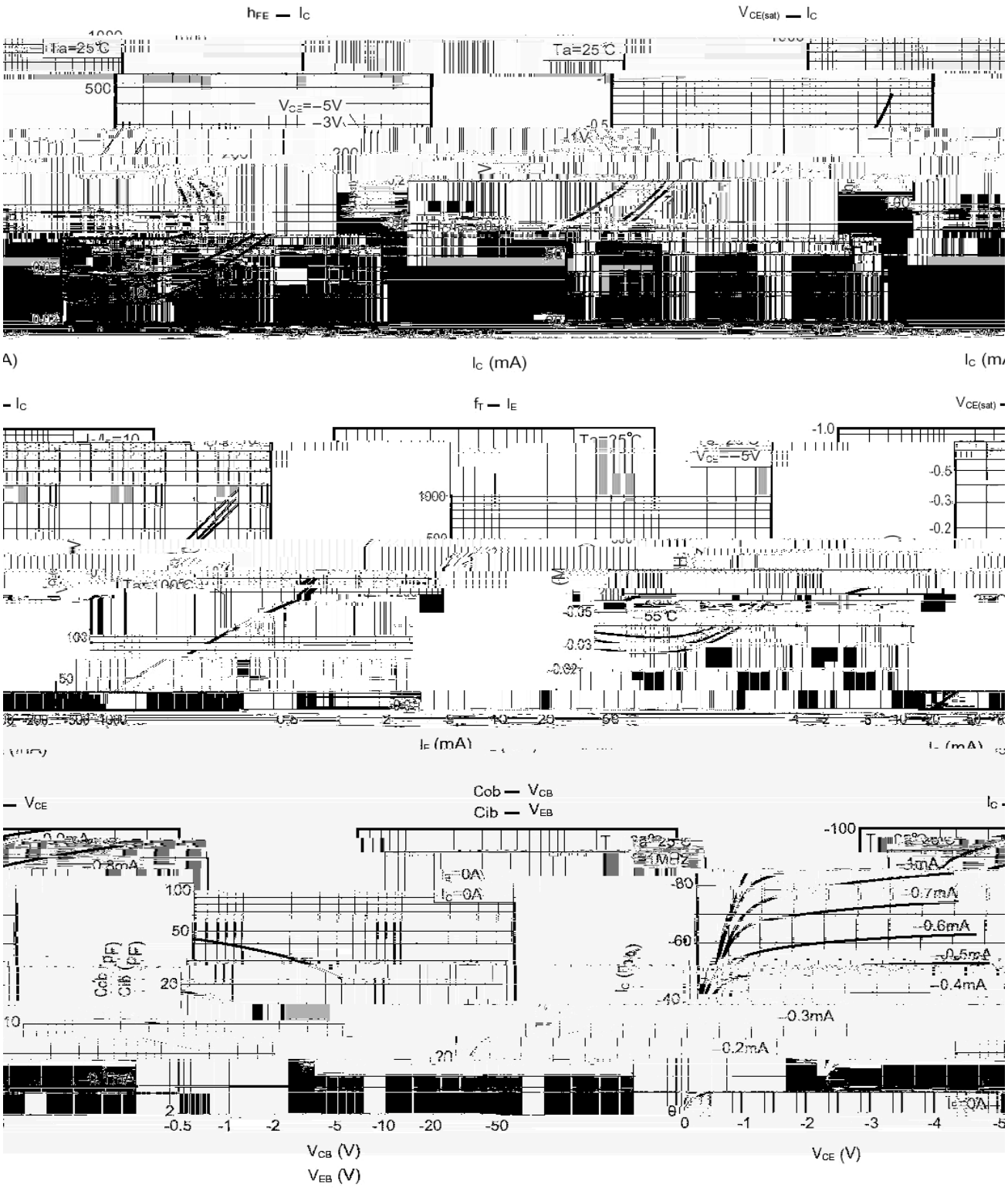
/ Absolute Maximum Ratings(Ta=25)

v ̈Ω Parameter	٩ N Symbol	̈Ω Ö Rating	D Ч 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	

/ Electrical Characteristics(Ta=25)

v ̈Ω Parameter	٩ N Symbol	╜ :ǂ ҭ Test Conditions	ώ ṇ Ö Min	Ɛ ʒ Ö Typ	ώ ᶻ Ö Max	D Ч 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

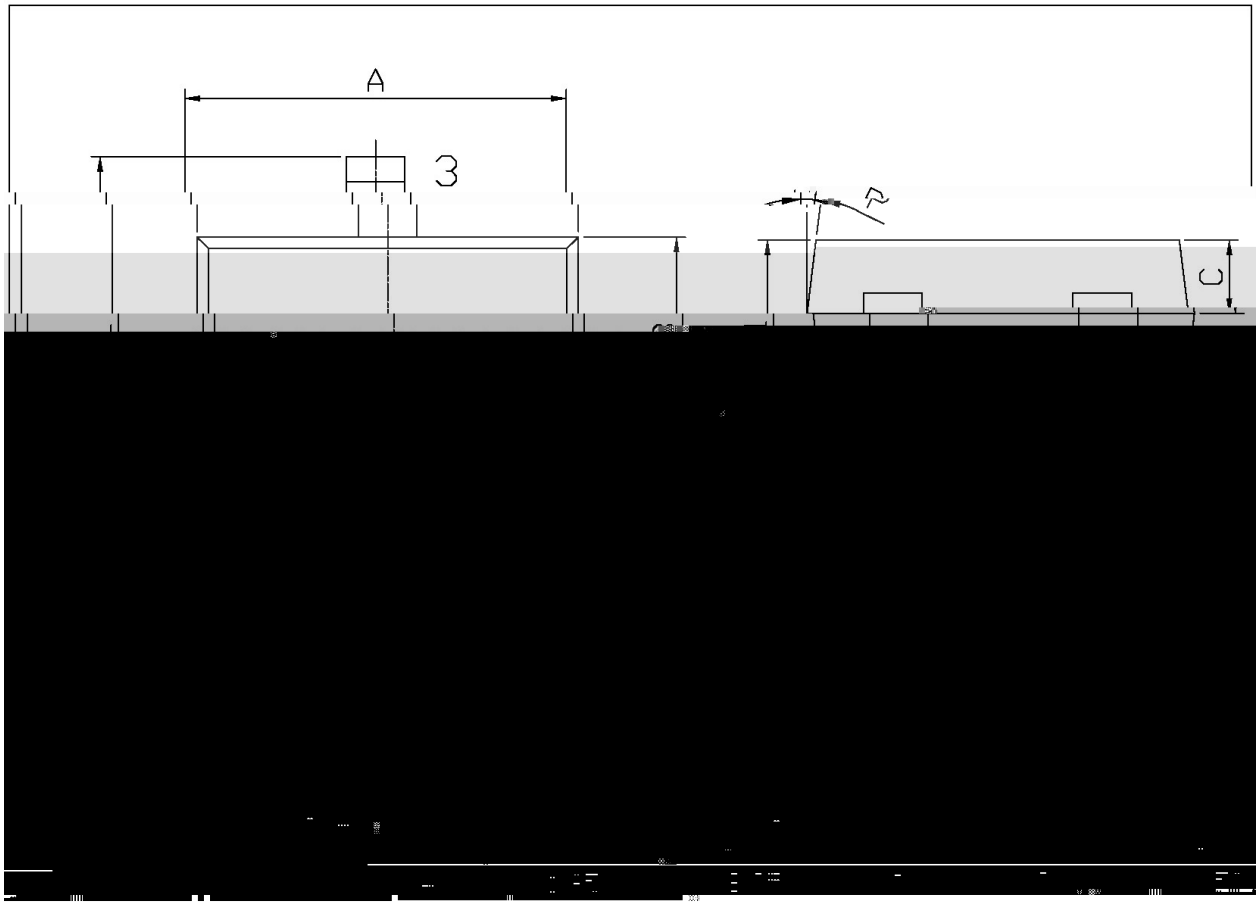
/ Electrical Characteristic Curve



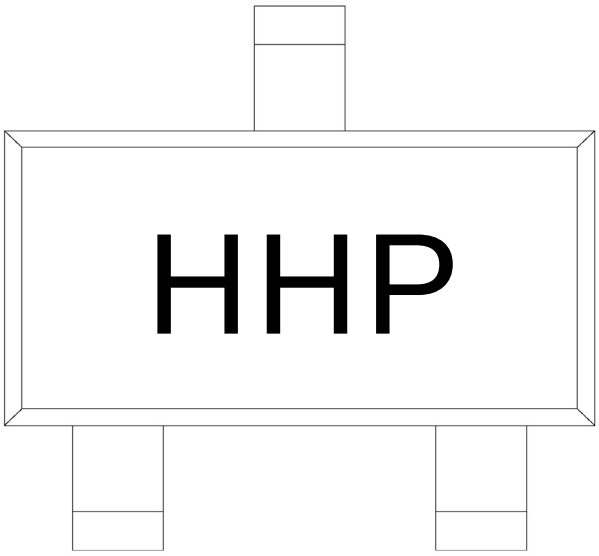
/ Package Dimensions

SOT-323

单位：mm



/ Marking Instructions



ِ ّ χ

H χ ﻩ ٣ ﻥ ٦

H χ ﻩ ٤ ﻦ ٦

P χ ﻩ h_{FE} ‘ ٦ ٦

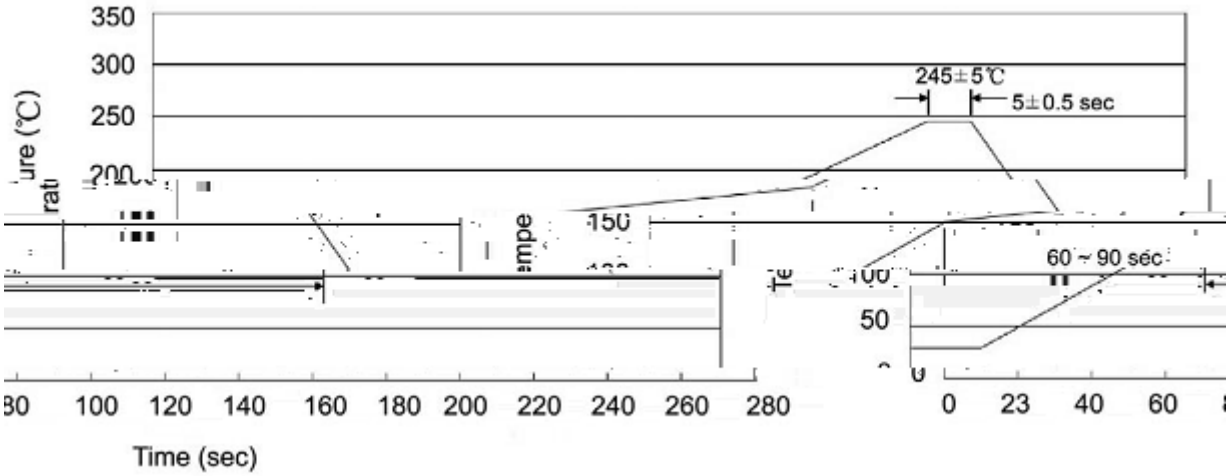
Note:

H: Company Code.

H: Product Type.

P χ h_{FE} Classifications Symbol

( ) /



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı ˋH ڑ 60 Ḱ 90sec;

2 Š Ë □ ỷ 245 ° 5 ł ı ˋH ڑ ˋY ﾊ ㎛ 5 ° 0.5sec;

3 ì ˙ ﾘ ˛ ɔ ﻉ ỷ ㎛ 2 Ḱ 10 ł /sec.

Note:

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

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

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 260 ° 5 ł ˋH ڑ χ 10 ° 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

ɔ ` ﾔ Ł / 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

/ Notices