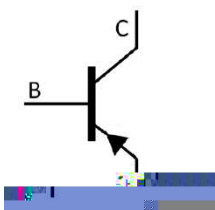


VRW0656 1M 1 SQS 1M 1 s 1 1 Silicon PNP transistor in a SOT-323 Plastic Package.

Large I_c low $V_{ce(sat)}$



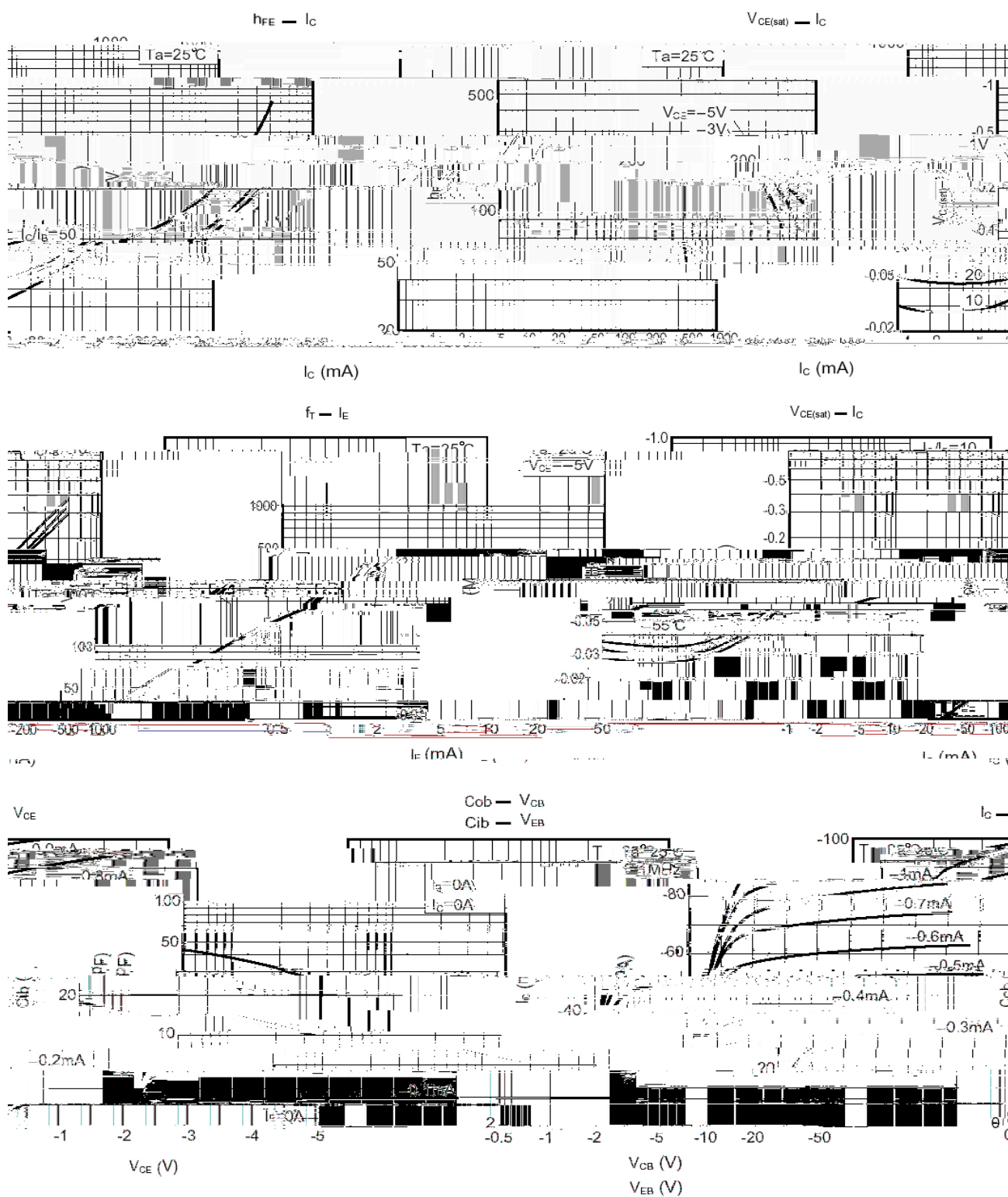

绝对最大额定值 / Absolute Maximum Ratings(Ta=25 ℃)

参数 Parameter	符号 Symbol	额定值 Rating	单位 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	

电 气 特 性 / Electrical Characteristics(Ta=25 ℃)

参数 Parameter	符号 Symbol	测试条件 Test Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -100\mu A$	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -1.0mA$	-32			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -100\mu A$	-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	$V_{CE} = -5.0V$ $f = 100MHz$ $I_E = 20mA$		200		MHz
Collector output capacitance	C_{ob}	$V_{CB} = -10V$ $f = 1.0MHz$ $I_E = 0$		7.0		pF

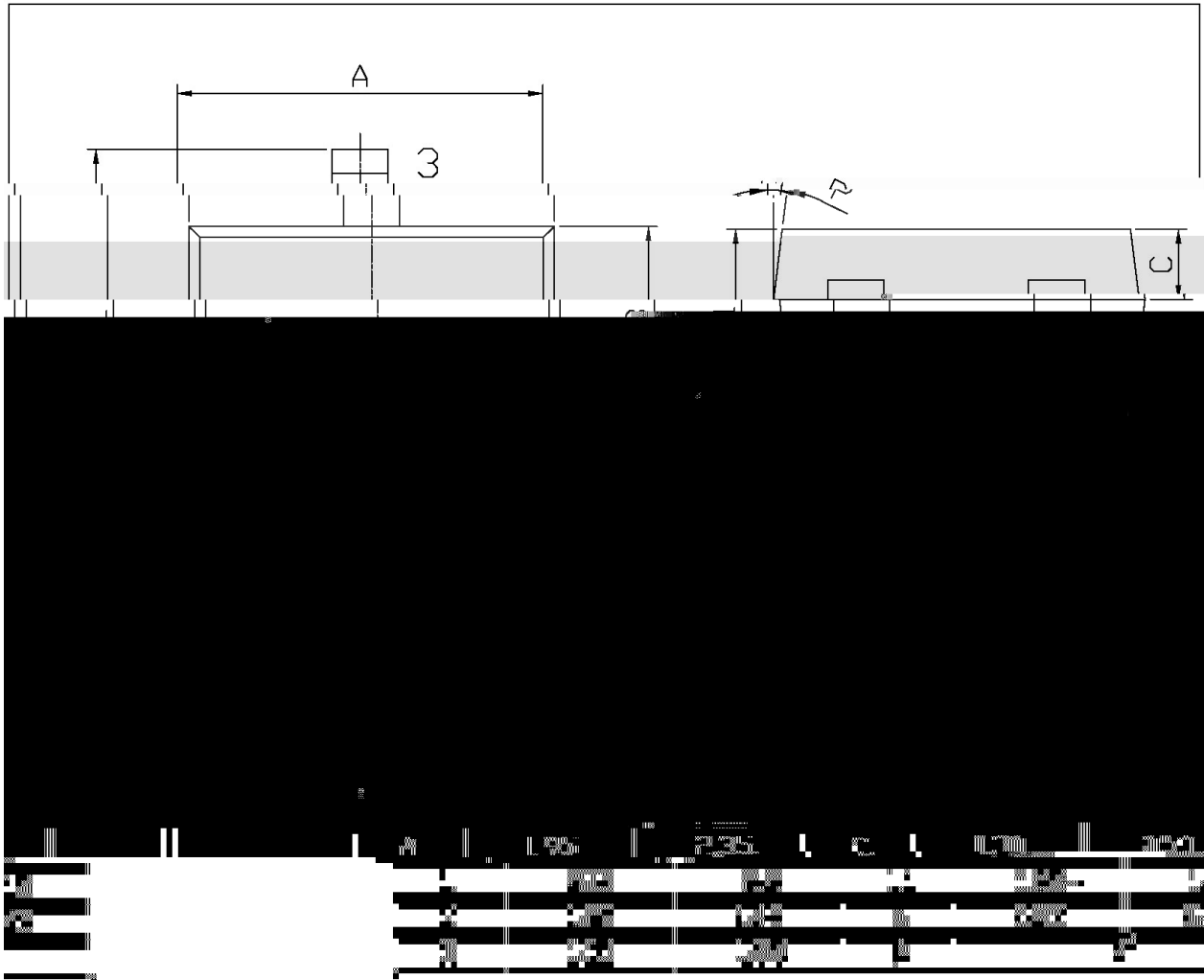
Electrical Characteristic Curve



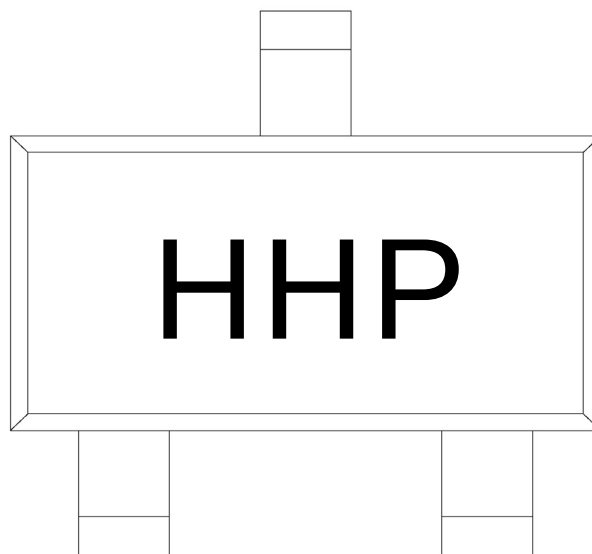
⌘ È Ò Ì f / Package Dimensions

SOT-323

单位; mm



1. 标记 / Marking Instructions



标记

H 公司代码

H 产品类型

P h_{FE} 分类符号

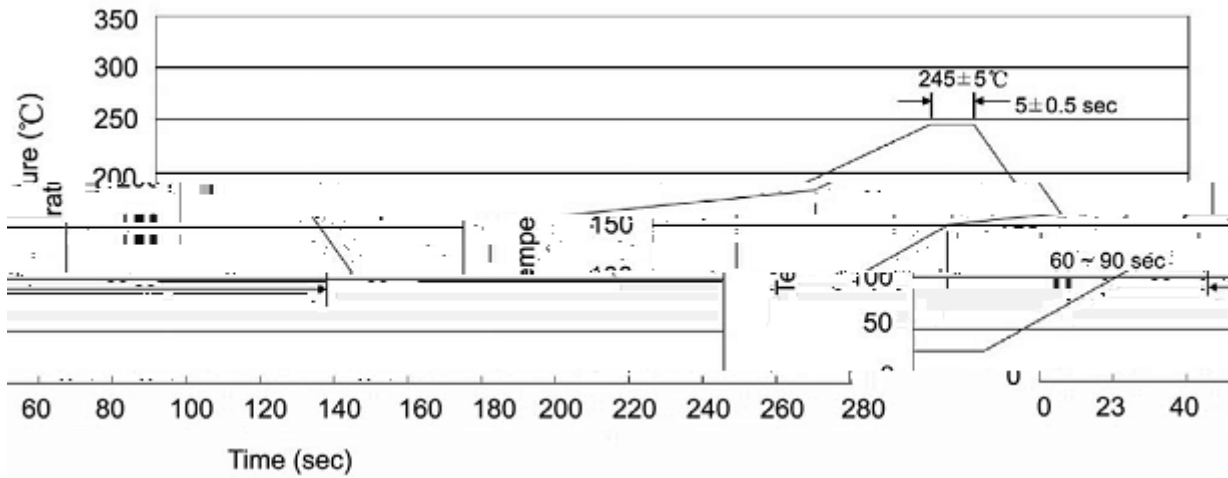
Note:

H: Company Code.

H: Product Type.

P h_{FE} Classifications Symbol

Thermal Characteristics / 热特性



Thermal Characteristics

- Preheating: 25~150 °C, Time: 60~90sec;
- Peak Temp.: 245 °C ± 5, Duration: 5 ± 0.5sec;
- Cooling Speed: 2~10 °C/sec.

Note:

- 1.Preheating:25~150 °C, Time:60~90sec.
- 2.Peak Temp.:245 °C ± 5, Duration:5 ± 0.5sec.
3. Cooling Speed: 2~10 °C/sec.

Resistance to Soldering Heat Test Conditions / 焊接热阻测试条件

Temperature: 260 °C ± 5, Time: 10 ± 1 sec, Temp.: 260 ± 5, Time: 10 ± 1 sec

Packaging SPEC. / 封装规格

Reel / 卷盘

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 / 注意事项