2SC4155(A)

Rev.E Mar.-2016

DATA SHEET

˜Yت / Descriptions

Silicon NPN transistor in a SOT-323 Plastic Package.

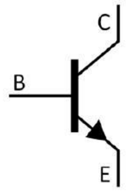
● Ȅ / Features

Collectoe to emitter saturation voltage $V_{ce(sat)}$=0.3VmaxExcellent lineality of DC forward current gain,Supper mini package for easy mounting.

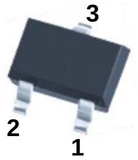
٧ ڍ / Applications

For hybrid IC,small type machine low frequency voltage amplify application.

Лڤ ق̃ ۶ ع / Equivalent Circuit



ẫ ﻻ ئ / Pinning



PIN1 Emitter PIN 2 Base PIN 3 Collector

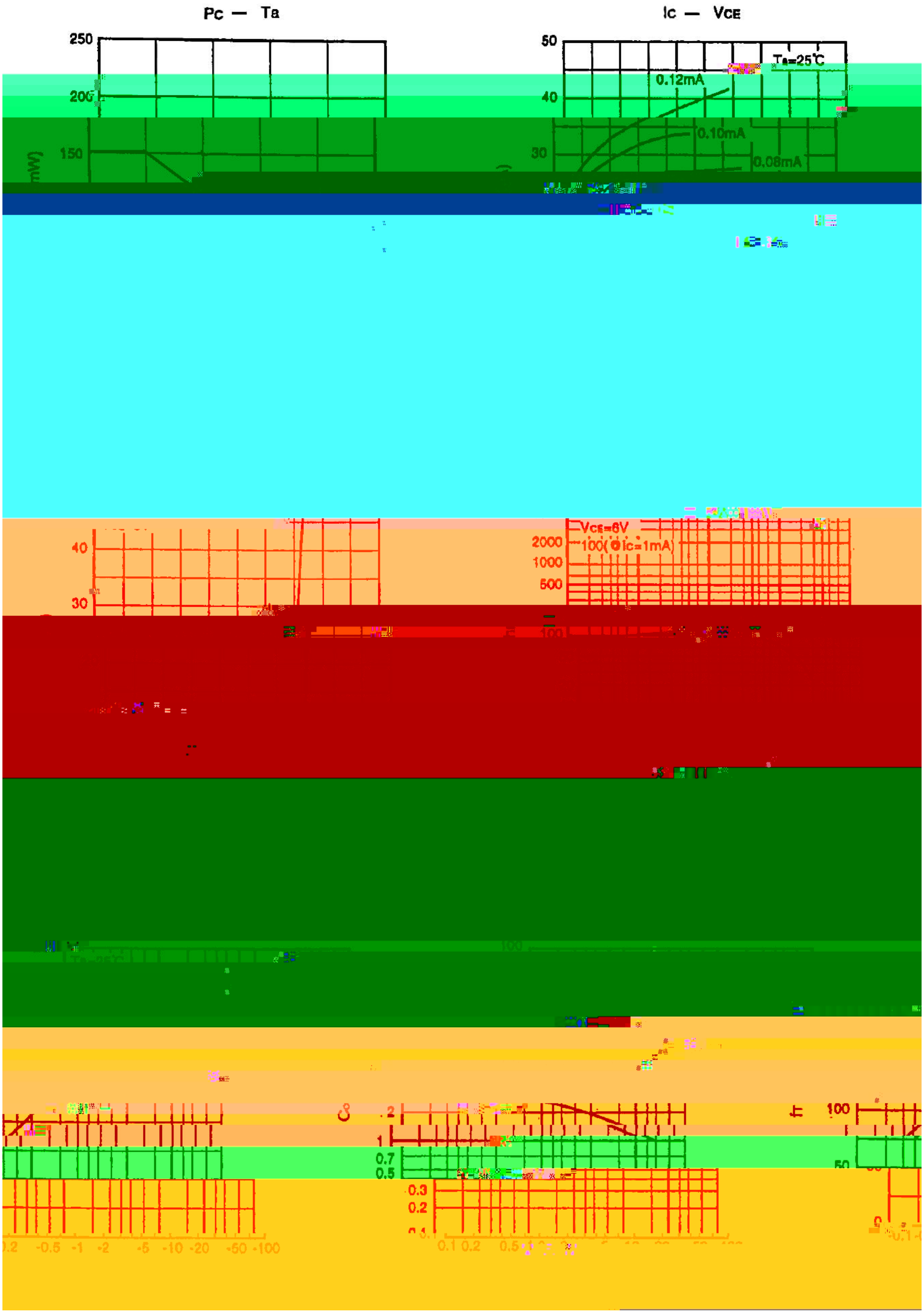
٤ ዘ ڌ / Marking

h_{FE} Classifications Symbol	Q	R	S	T
h_{FE} Range	120 270	180 390	270 560	390 820
Marking	HQH	HRH	HHS	HHT

Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}		50	V
Collector to Emitter Voltage	V_{CEO}		50	V
Emitter to Base Voltage	V_{EBO}		6	V
Collector Current - Continuous	I_C	2SC4155	0.1	A
		2SC4155A	0.2	
Collector Power Dissipation	P_C		150	mW
Junction Temperature	T_j		125	℃
Storage Temperature Range	T_{stg}		-55 150	℃

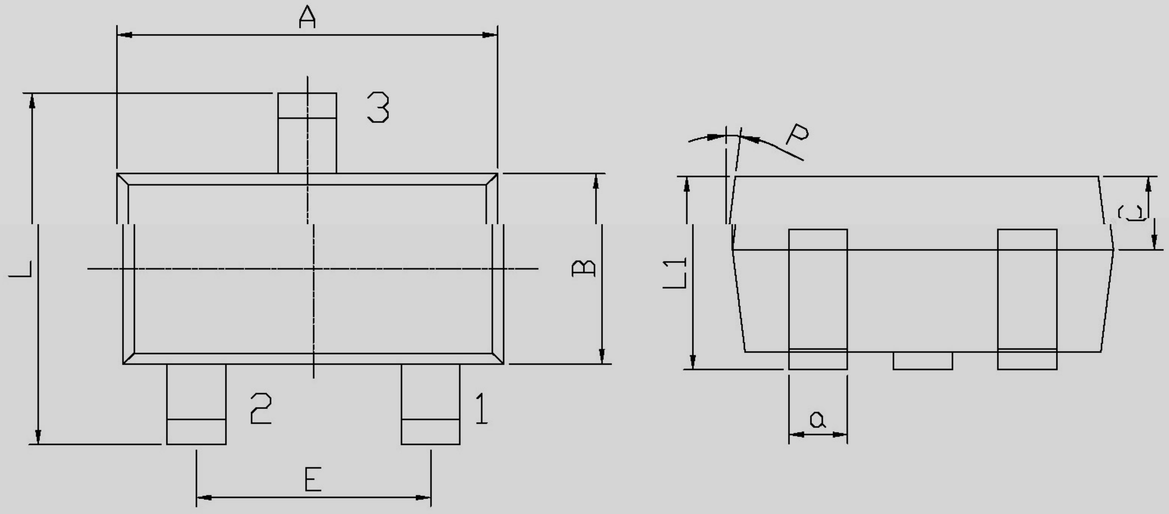
Parameter	Symbol		Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}		I_C=0.1mA R_{BE}=∞	50			V
Collector Cut-Off Current	I_{CBO}	2SC4155	V_{CB} =50V I_E=0			0.5	μA
		2SC4155A				0.1	
Emitter Base Cut-Off Current	I_{EBO}		V_{EB} =4V I_C=0			0.1	μA =0

ꓱ Ặ΄E Ⅵ ʄ / Electrical Characteristic Curve



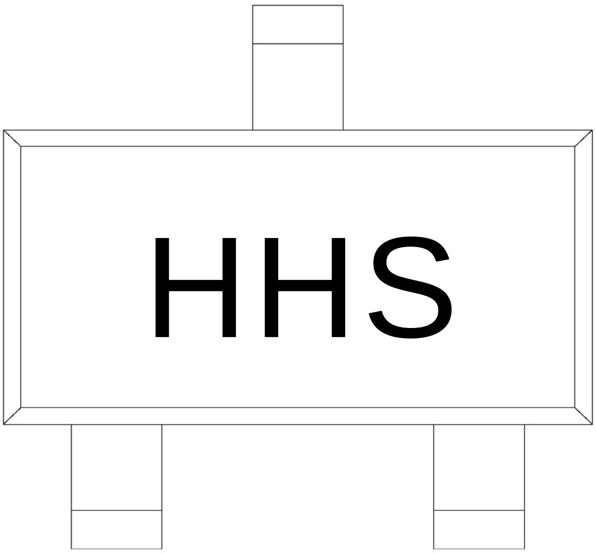
ᵘ ȄȌ Ḻ ʝ / Package Dimensions

SOT-323 单位：mm



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
A	1.95	2.35	C	0.30	0.50
L	2.00	2.2	L1	0.85	1.15
E	1.20	1.40	a	0.20	0.40
B	1.15	1.35	P	7°	

ł˛ L˝Ω / Marking Instructions



H

H

S h_{FE}

Note:

H: Company Code.

H: Product Type.

S: h_{FE} Classifications Symbol

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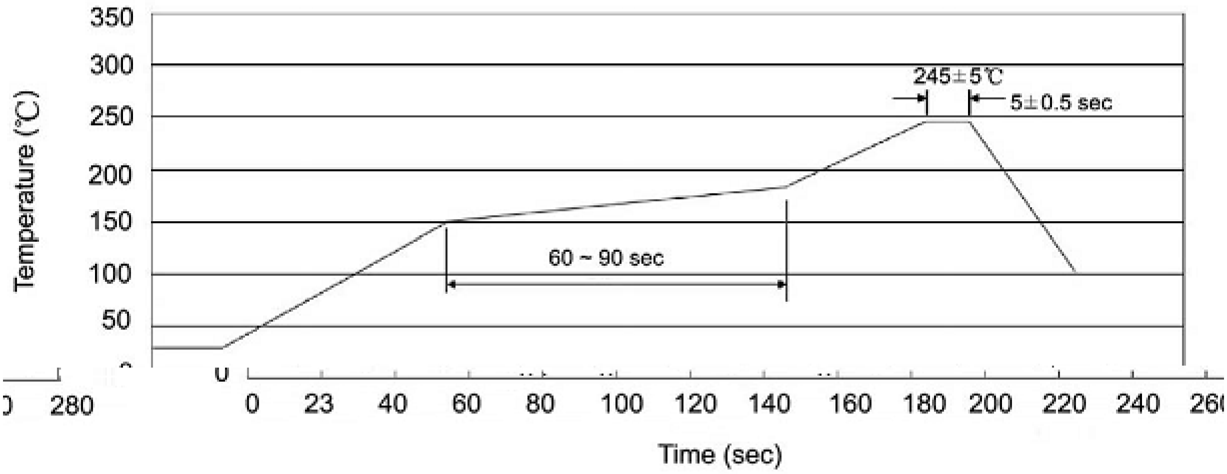

	Note:
1 25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2 245 5 5 0.5sec;	2.Peak Temp.:245 5 , Duration:5 0.5sec.
3 2 10 /sec.	3. Cooling Speed: 2~10 /sec.

⌿ ΰ զ ݲ ̀Y Ţ / Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5℃ Time:10±1 sec

១ ⊵ ∢— / Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm^3)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱

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