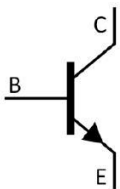


SOT-323          NPN          Silicon NPN transistor in a SOT-323 Plastic Package.

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

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

**/ Equivalent Circuit**



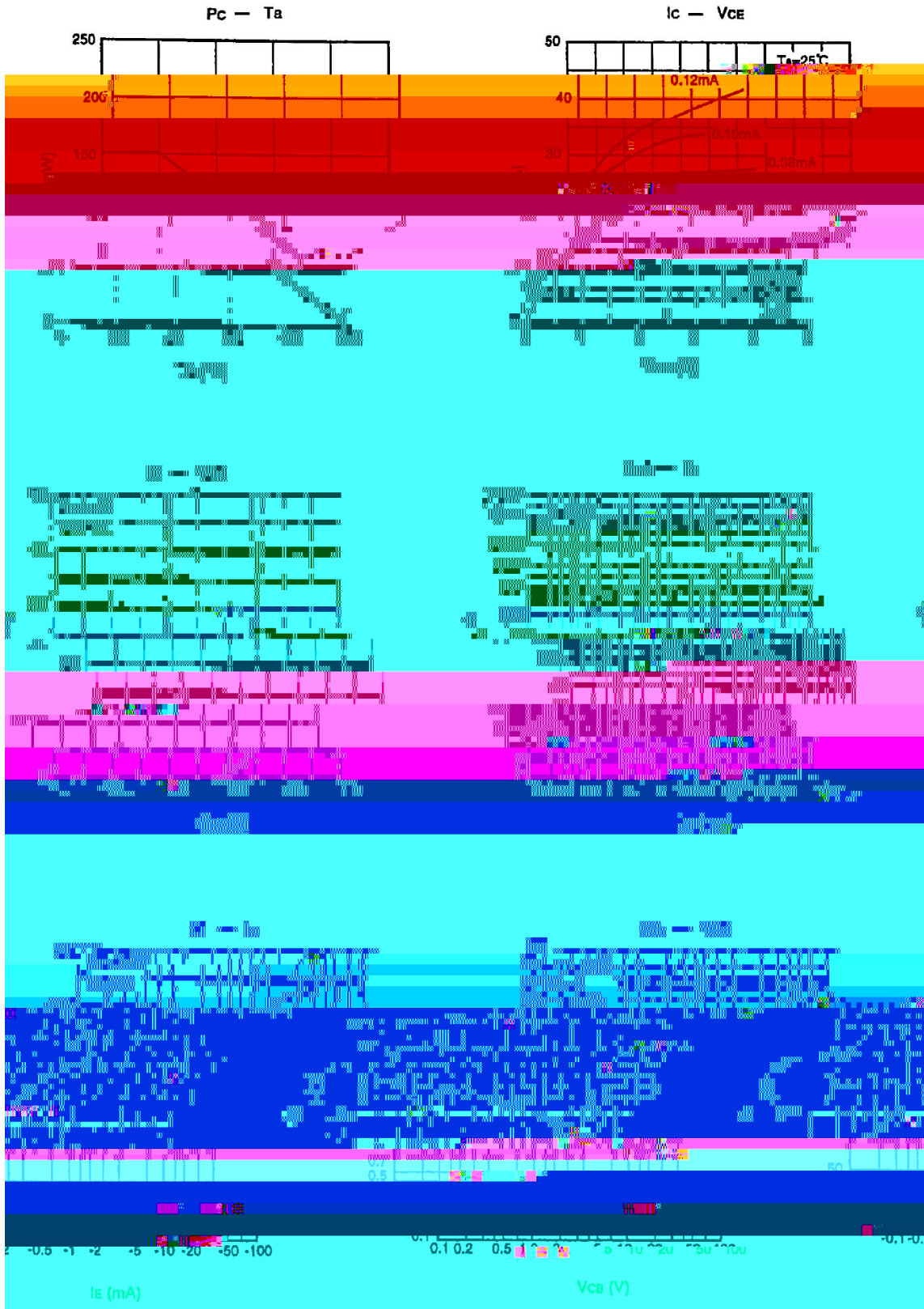
PIN1 Emitter          PIN 2 Base          PIN 3 Collector

**/ Marking**

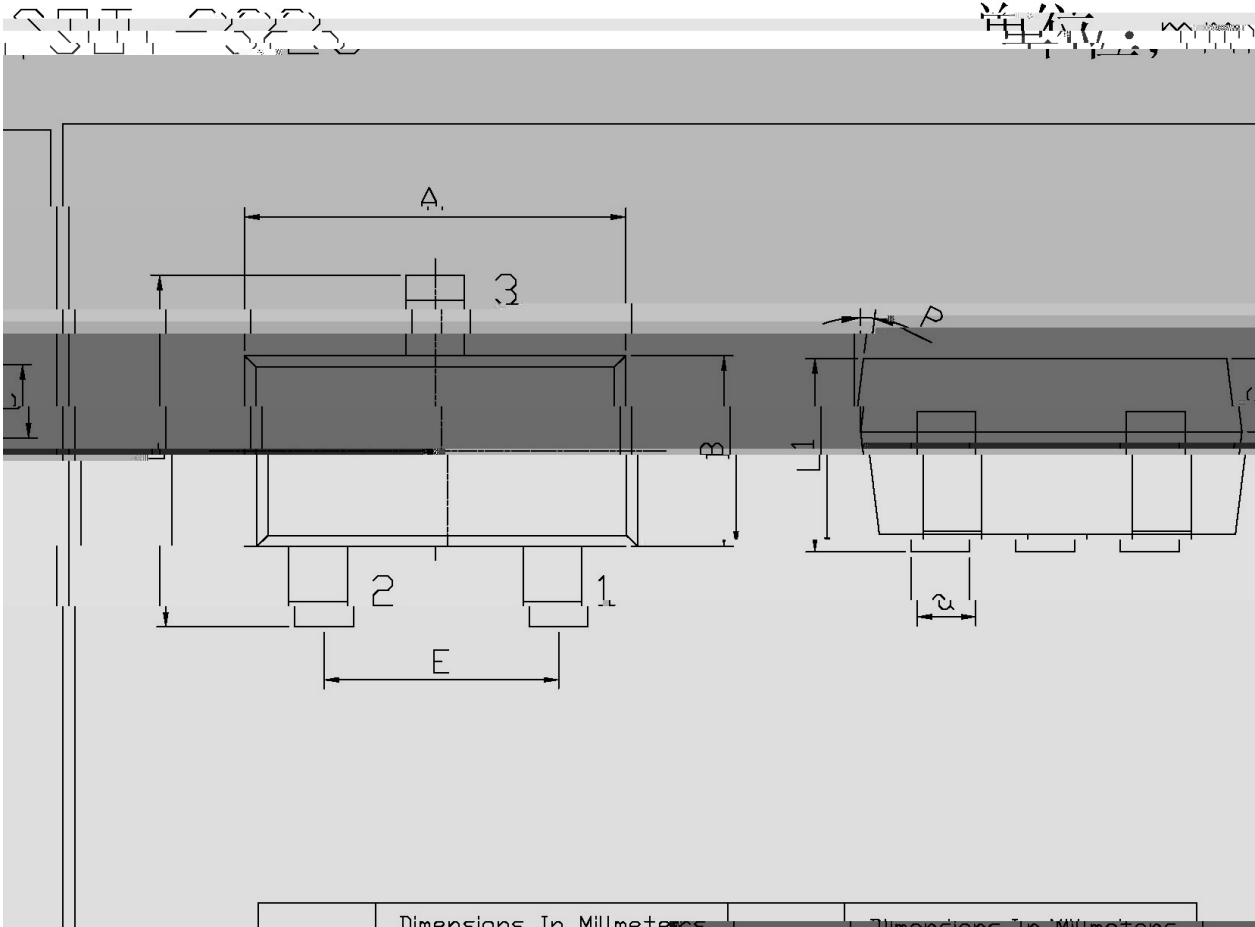
$h_{FE}$ Classifications	Q	R	S	T
Symbol				
$h_{FE}$ Range				

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
		2SC4155A	0.2
Collector Power Dissipation	$P_C$	150	mW

/ Electrical Characteristic Curve

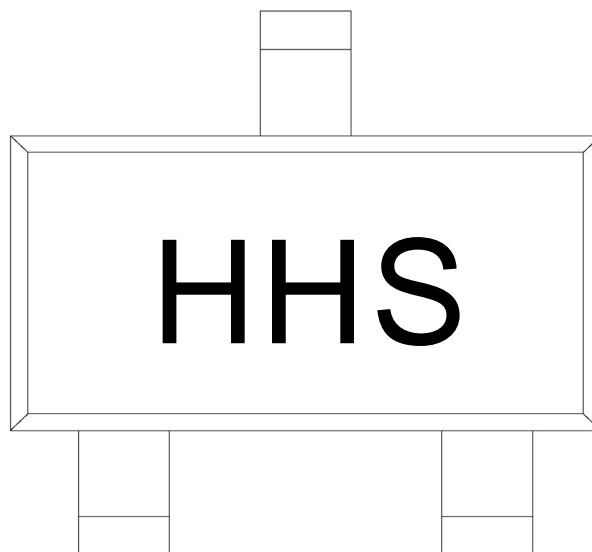


/ Package Dimensions



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

/ Marking Instructions



H

H

S             $h_{FE}$

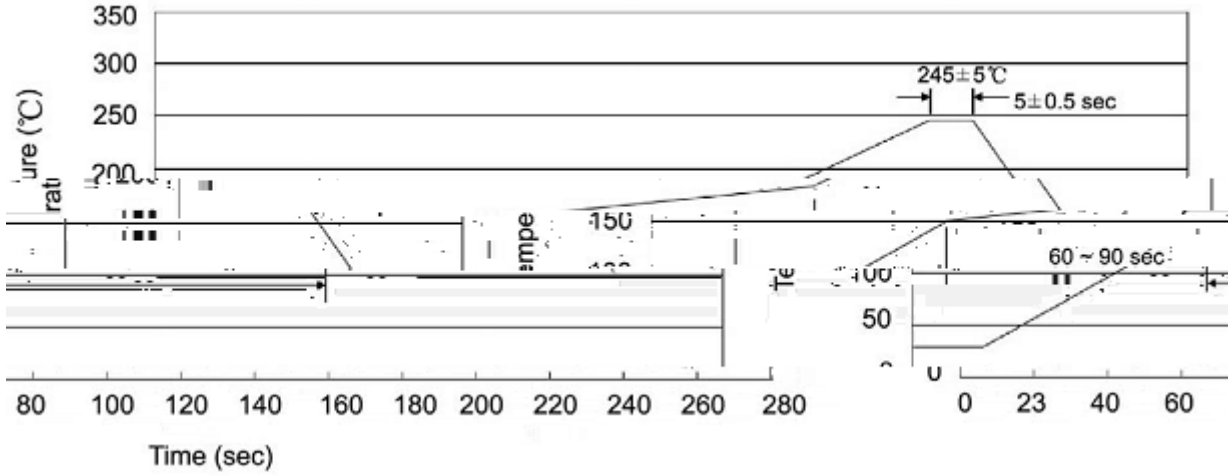
Note:

H:            Company Code.

H:            Product Type.

S:             $h_{FE}$  Classifications Symbol

( ) / Resistance to Soldering Heat Test Conditions



Note:

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

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	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	8	240,000	7 ×8	180×120×180	385×257×392

/ Notices