

一、描述 / Descriptions

SOT-323

PNP

Silicon PNP transistor in a SOT-323 Plastic Package.

二、特点 / Features

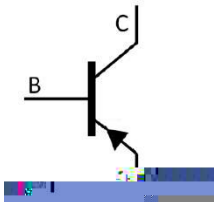
8050W

Complementary pair with 8050W.

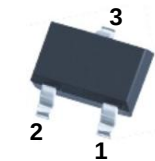
三、应用 / Applications

Power amplifier applications.

四、等效电路 / Equivalent Circuit



五、引脚 / Pinning



PIN1 Emitter

PIN 2 Base

PIN 3 Collector

六、标记 / Marking

h_{FE} Classifications Symbol	B	C	D
h_{FE} Range	85 160	120 200	160 300
Marking	HY2B	HY2C	HY2D



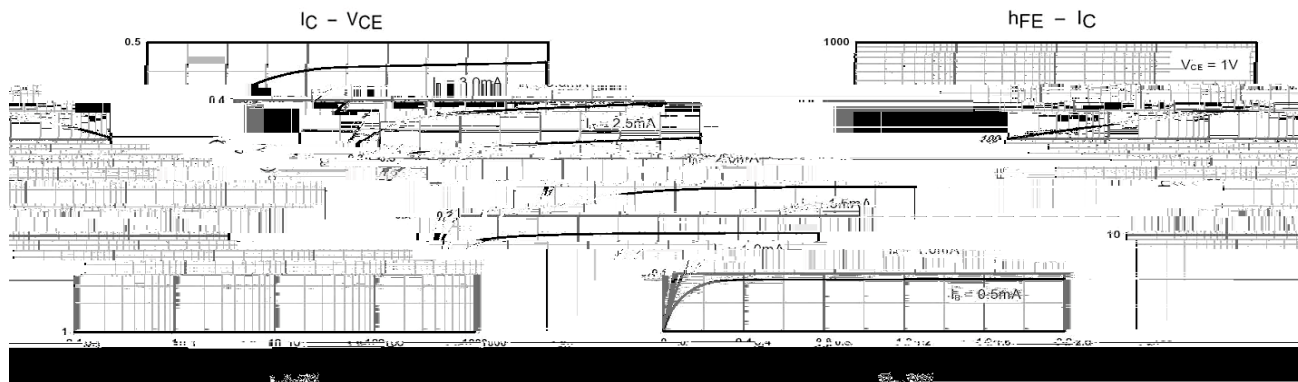
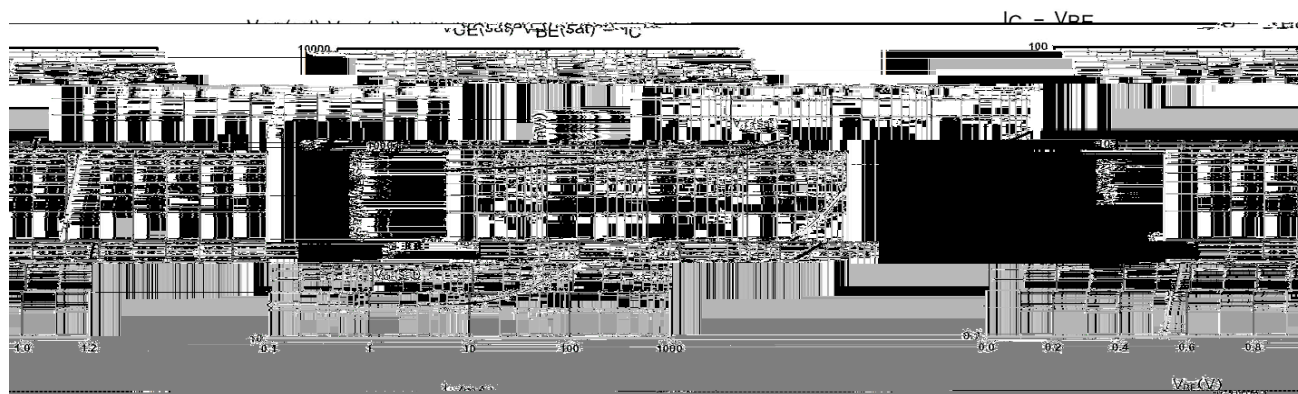
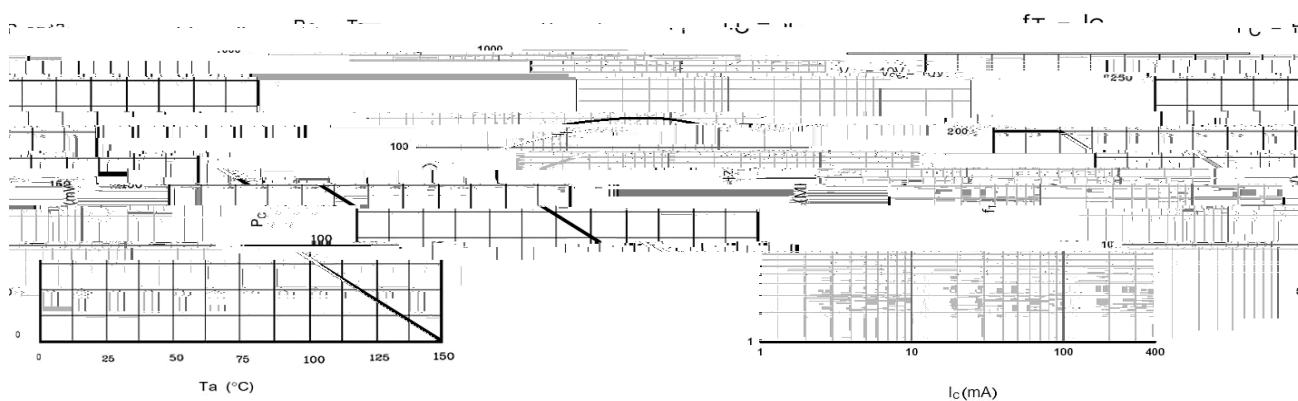
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-25	V
Emitter to Base Voltage	V_{EBO}	-6.0	V
Collector Current - Continuous	I_C	-1.5	A
Base Current - Continuous	I_B	-0.5	A
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -0.1mA$ $I_E = 0$	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -2.0mA$ $I_B = 0$	-25			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -0.1mA$ $I_C = 0$	-6.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -35V$ $I_E = 0$			-0.1	μA
Emitter Base Cut-Off Current	I_{EBO}	$V_{EB} = -6.0V$ $I_C = 0$			-0.1	μA

 $h_{FE(1)}$
 $V_{EBO} 0003 T_{CB} T_{w(EBO)} T_j 10.5 .36e0 \times 2 280.98 318.8604 T_{CB}$

DC Current Gain

Electrical Characteristic Curve



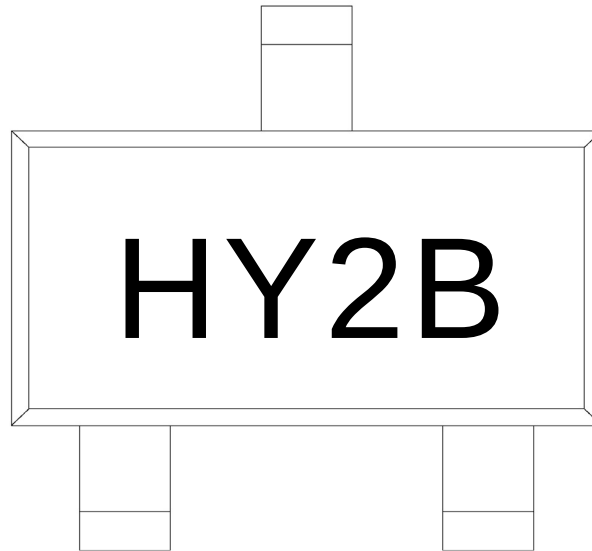
⊂ É Ò Ł f / Package Dimensions

STM-323

单位: mm



1. 1.1 / Marking Instructions



H

Y2

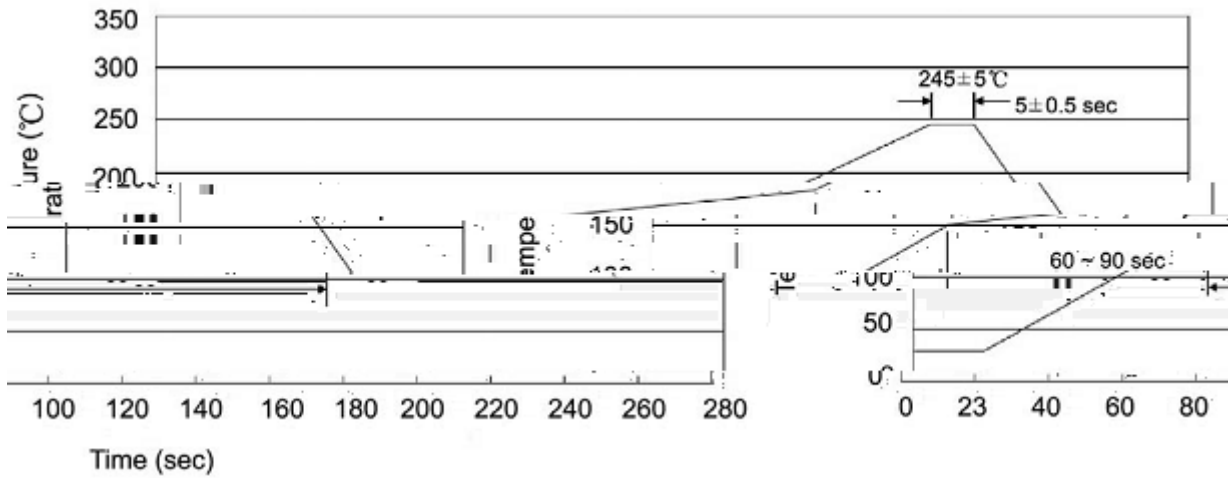
B h_{FE}

Note:

H: Company Code.

Y2: Product Type.

B h_{FE} Classifications Symbol


Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0l uhh,


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. |

Resistance to Soldering Heat Test Conditions

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205