˜Yت / Descriptions

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

◕ È / Features

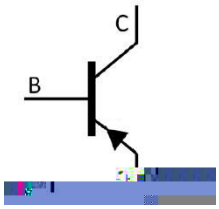
8050W

Complementary pair with 8050W.

४ ڍ / Applications

Power amplifier applications.

Л ڤ ڱ ڱ ≠ ع / Equivalent Circuit



ã ⅄ ʊ˜ / Pinning



PIN1 Emitter PIN 2 Base PIN 3 Collector

Łˌ ʜ ɑ̇ / 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}				

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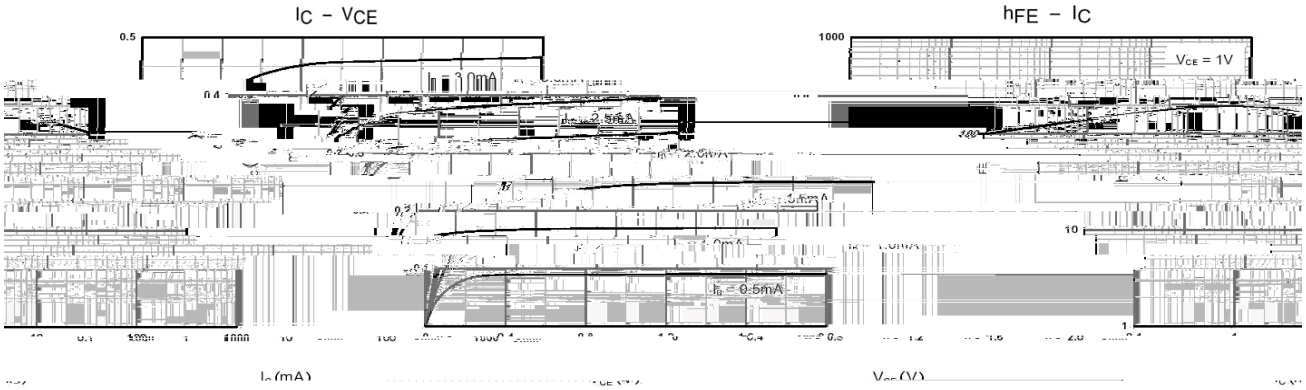
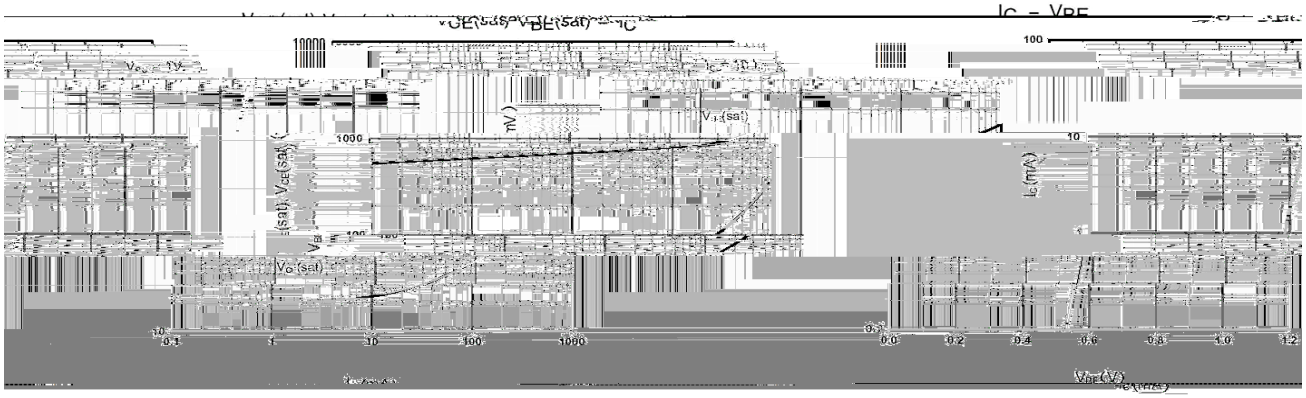
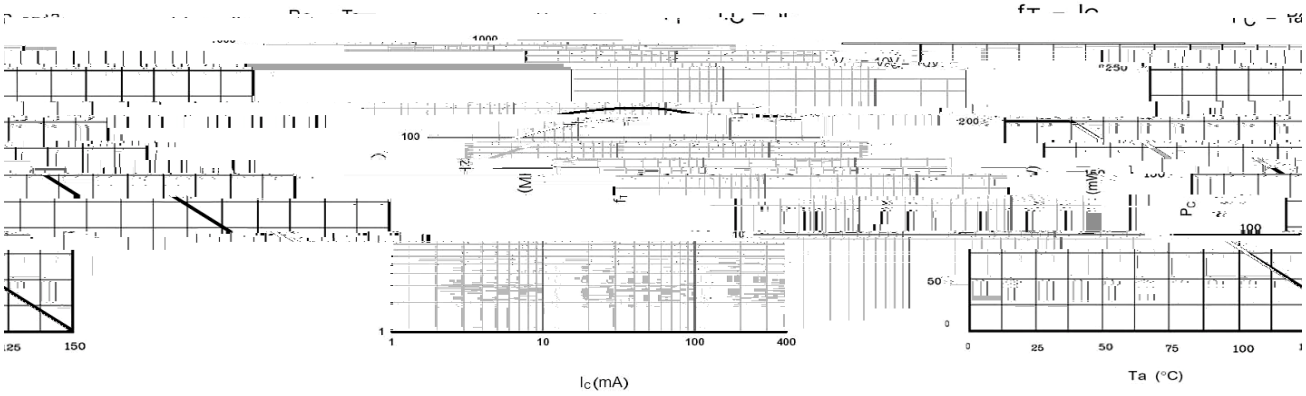
EB0003 Tc0 Tw(EBO)Tj10.5 .36e0 702 280.98 318.8604 TCB

DC Current Gain

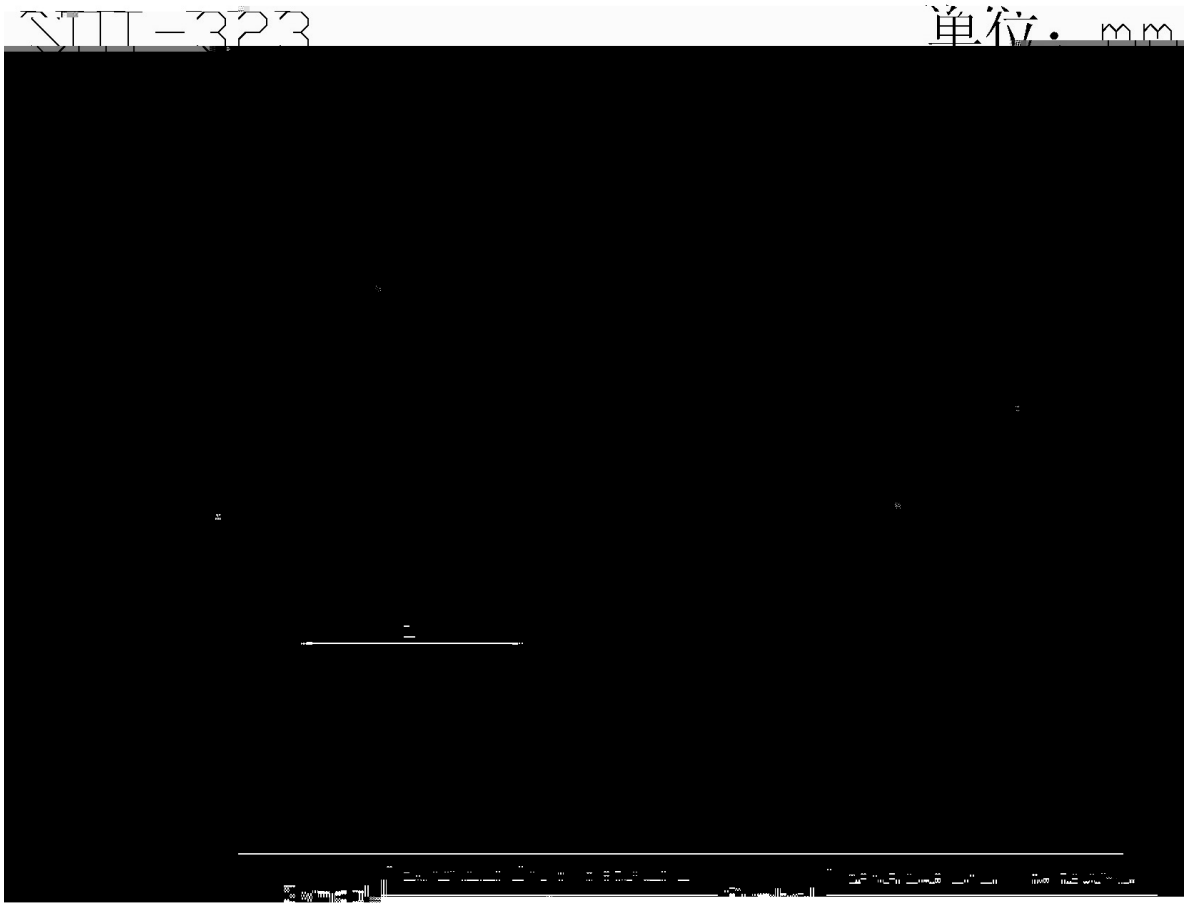
ƒ Ą´E ¼ ƒ / Electrical Characteristic Curve



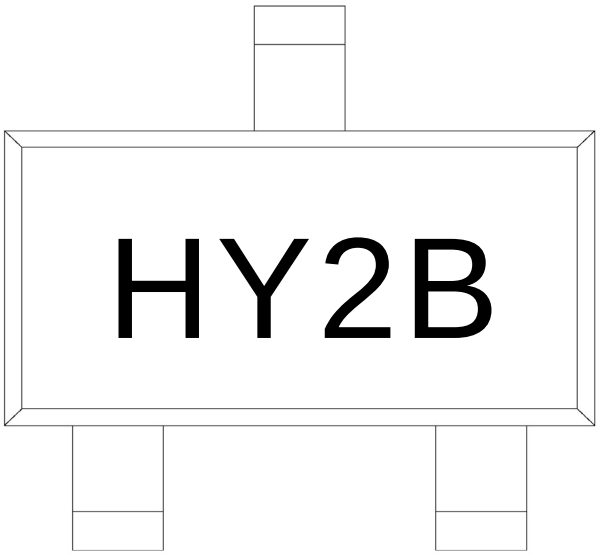




ᵘ ĖÒĻ ʃ / Package Dimensions



ł. Ł'Ω / Marking Instructions



H

Y2

B h_{FE}

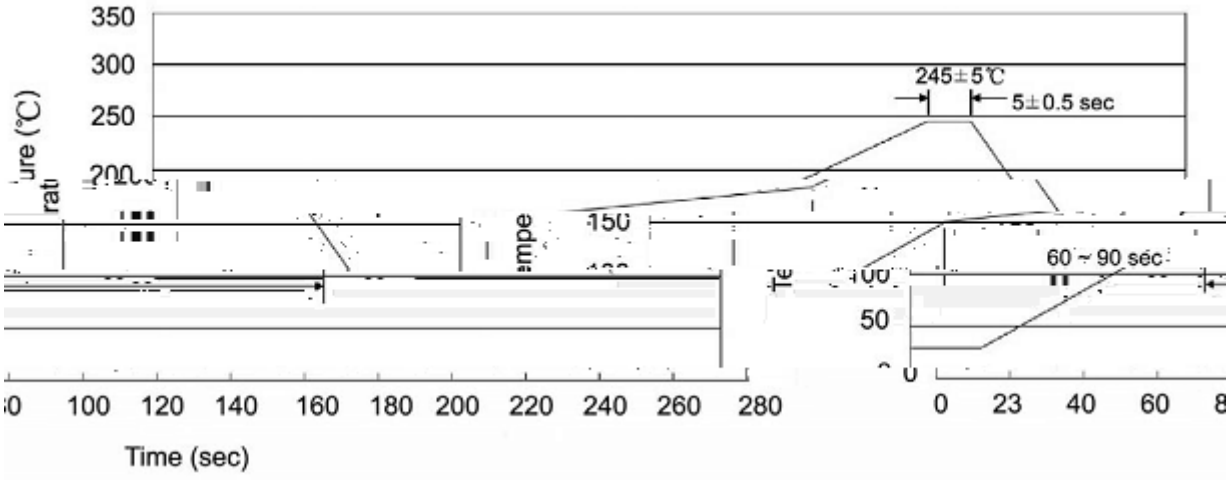
Note:

H: Company Code.

Y2: Product Type.

B h_{FE} Classifications Symbol

ŧħ ʃ ╗ ẘ´E ⅵ ʃ (ᾠ̈ ᴗ) / Whp shudwxuh Suriloh iru LU Uhior z Vroghulqj+Se0luhh,



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.

⅃ ὖ ɑ ˝ `Y Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ ⊏ ⊂— / 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 m