

2SC4081W

Rev.E Mar.-2016

/ Descriptions

SOT-323

NPN

Silicon NPN transistor in a SOT-323 Plastic Package.

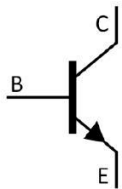
/ Features

Low C_{ob} .

/ Applications

General amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 Emitter

PIN 2 Base

PIN 3 Collector

/ Marking

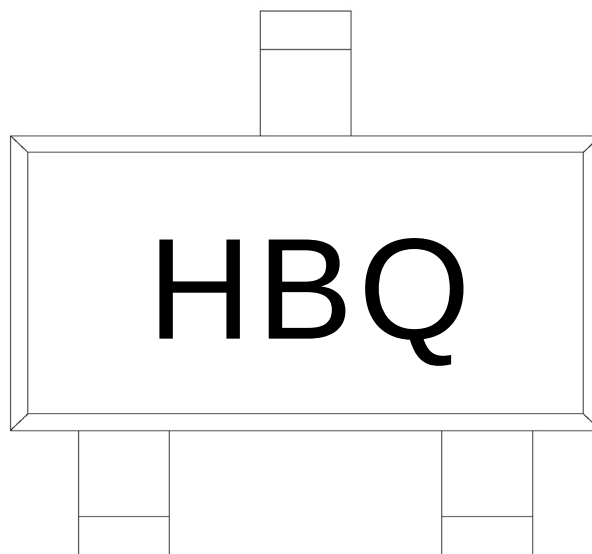
h_{FE} Classifications	Q	R	S
Symbol			
h_{FE} Range	120 270	180 390	270 560
Marking	HBQ	HBR	HBS

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	150	mA
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
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Collector to Base Breakdown 6 -1.6743 TD0540078 n5 55.98 438.8003 Tm-0.0026Tw()Tj10.5 0 0 10V.1 424.Q5 64.

/ Marking Instructions



H

B

Q

h_{FE}

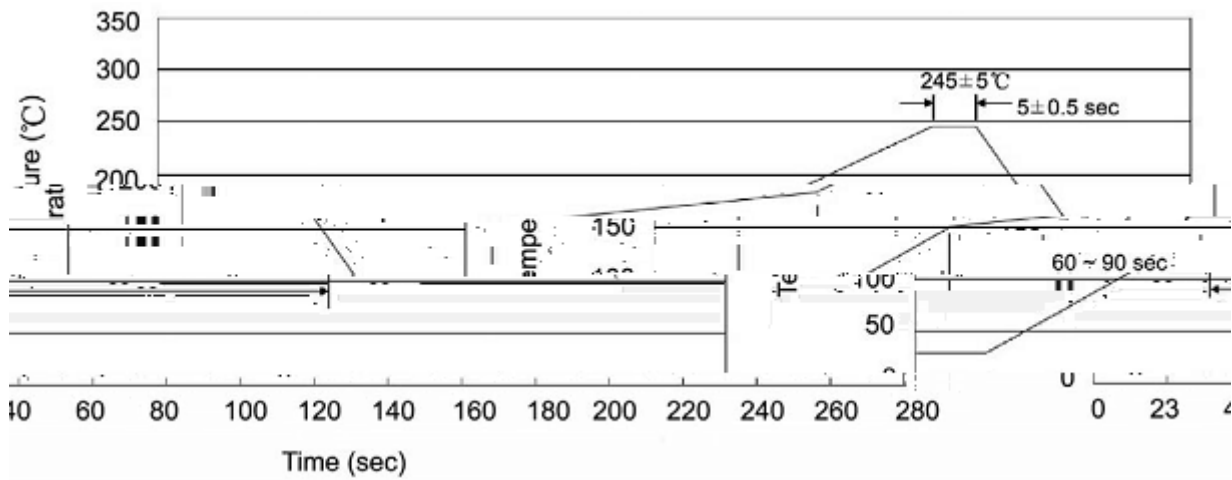
Note:

H: Company Code.

B: Product Type.

Q: 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

/ Notices