"Yش / Descriptions

Silicon NPN transistor in a SOT-323 Plastic Package.

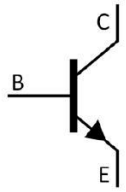
◕ È / Features

High P_C and h_{FE}, excellent h_{FE} linearity, complementary pair with 9015W.

¥ ٍ / Applications

Low frequency, low noise pre-amplifier.

Л ف ً ڤ ≠ ع / Equivalent Circuit



ẫ ﻻ ٌ ً / Pinning



PIN1 Emitter PIN 2 Base PIN 3 Collector

ł. ʜ ڬ / Marking

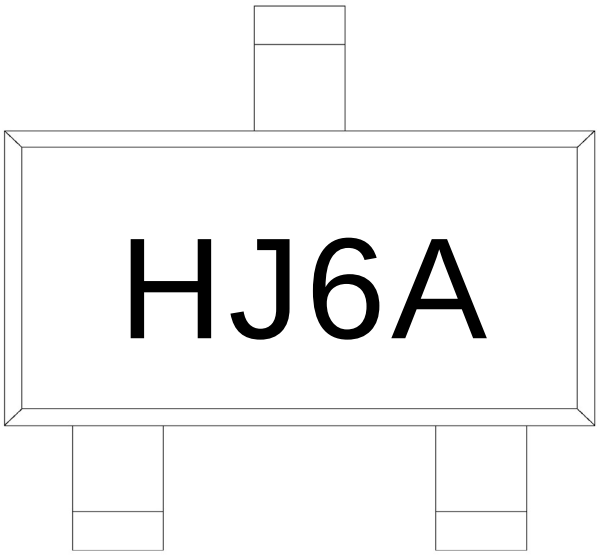
h_{FE} Classifications Symbol	A	B	C	D
h_{FE} Range	60 150	100 300	200 600	400 1000
Marking	HJ6A	HJ6B	HJ6C	HJ6D

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	100	mA
Collector Power Dissipation	P_C	250	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	50			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA I_B=0	45			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=0.1mA I_C=0	5.0			V
Collector Cut-Off Current	I					

9014W
Rev.E Mar.-2016

Ł. Ł Ω / Marking Instructions



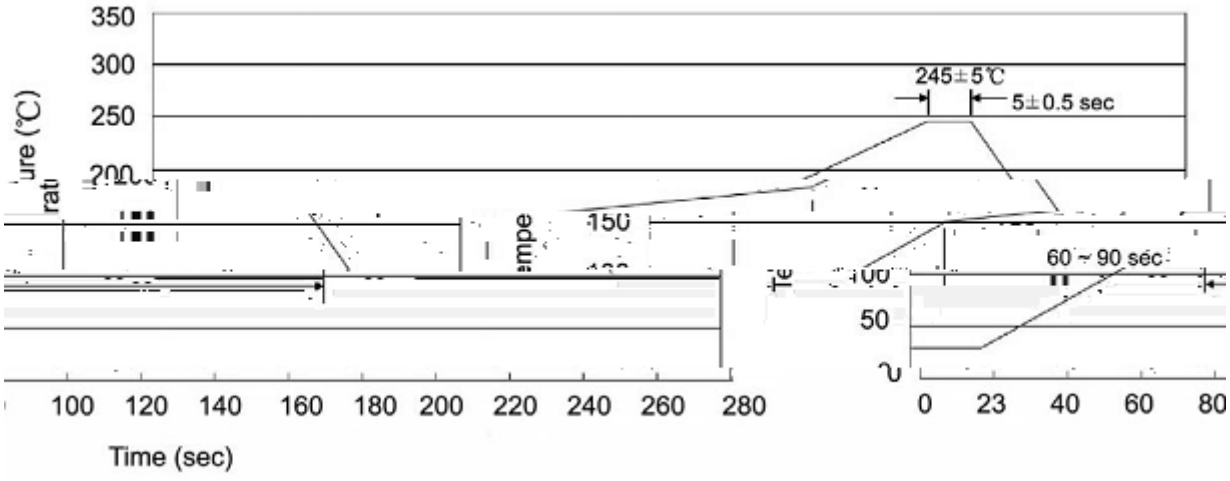
Note:

H: Company Code.

J6: Product Type.

A h_{FE} Classifications Symbol

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Note:

1		25	150	60	90sec;
2		245	5	5	0.5sec;
3			2	10	/sec.

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

⅃ ü q ¯ `Y Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ Ŀ ≮ — / Packaging SPEC.

/ REEL

Package Type	Units					Dimension		(unit mm³)
	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

ä ⅴ Ļ Ꝋ / Notices