

器件

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

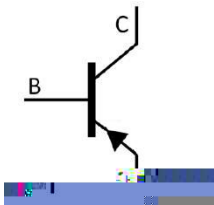
参数

2SD1819A
 High h_{FE} , complements the 2SD1819A.

应用

General amplification.

封装与尺寸



封装



PIN1 Emitter PIN 2 Base PIN 3 Collector

性能

h_{FE} Classifications Symbol	Q	R	S
h_{FE} Range	160 260	210 340	290 460
Marking	BHQ	BHR	BHS

静态参数

J

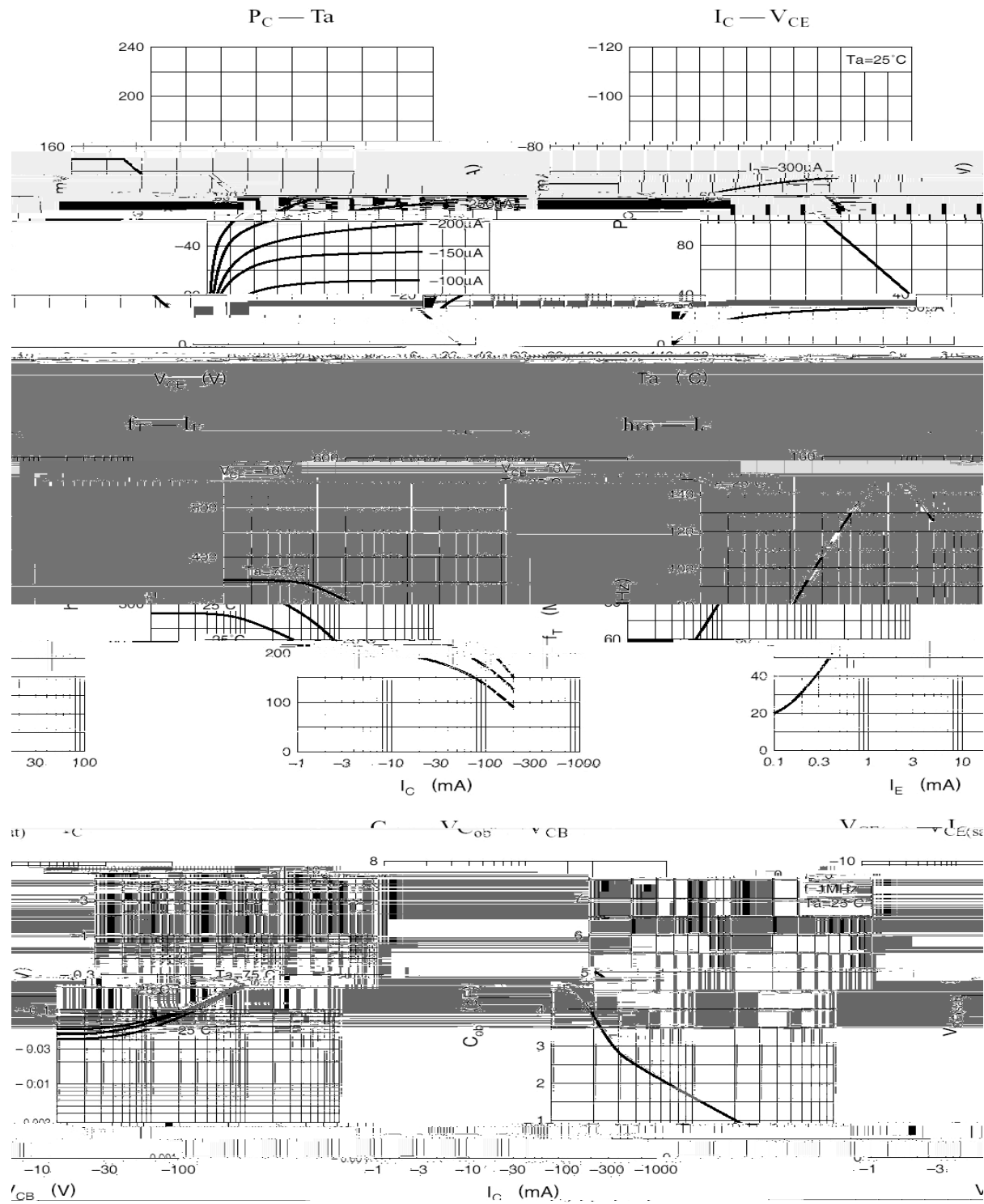
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-45	V
Collector to Emitter Voltage	V_{CEO}	-45	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current - Continuous	I_C	-100	mA
Collector Current – Continuous(Pulse)	I_{CP}	-200	mA
Collector Power Dissipation	P_C	150	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

动态参数

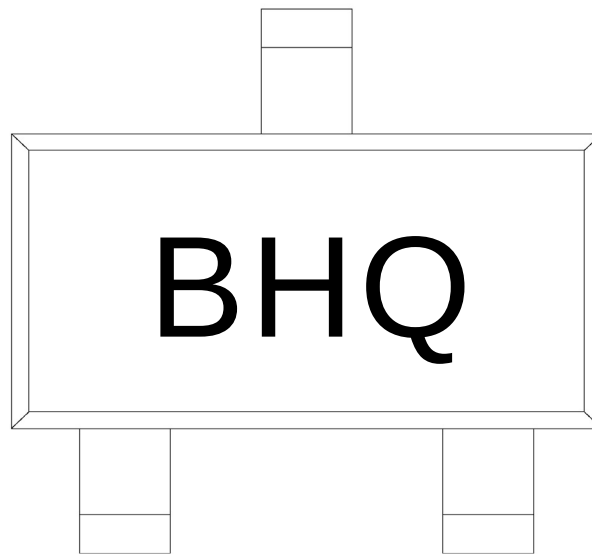
J

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -10\text{ A}$ $I_E = 0$	-45			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -2.0\text{mA}$ $I_B = 0$	-45			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -10\text{ A}$ $I_C = 0$	-7.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -20\text{V}$ $I_E = 0$			-0.1	A
Emitter Base Cut-Off Current	I_{EBO}	$V_{CE} = -10\text{V}$ $I_B = 0$			-100	A
DC Current Gain	h_{FE}	$V_{CE} = -10\text{V}$ $I_C = -2.0\text{mA}$	160		460	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -100\text{mA}$ $I_B = -10\text{mA}$		-0.3	-0.5	V
Transition Frequency	f_T	$V_{Cb} = -10\text{V}$ $f = 200\text{MHz}$ $I_E = 1.0\text{mA}$		80		MHz
Collector output capacitance	C_{ob}	$V_{CB} = -10\text{V}$ $f = 1.0\text{MHz}$ $I_E = 0$		2.7		pF

三极管



1. 1



B

H

Q h_{FE}

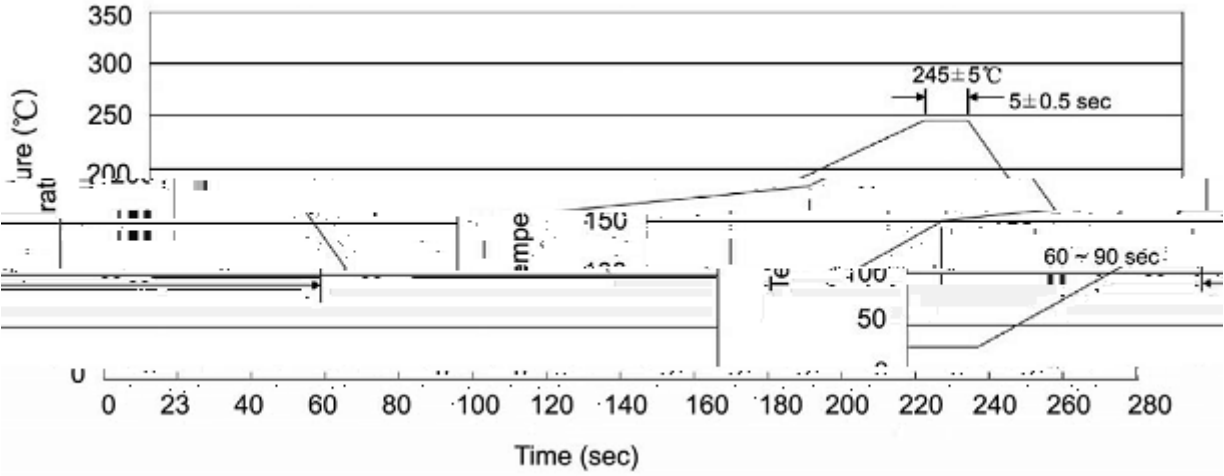
Note:

B: Product Type.

H: Company Code.

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.

1 0 q 1 Y T

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

9 E 1

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱

ä v L Q