2SA1323

Silicon PNP epitaxial planer type

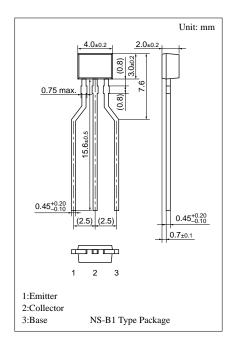
For high-frequency amplification Complementary to 2SC3314

Features

- Allowing supply with the radial taping.
- High transition frequency f_T.
- Optimum for high-density mounting.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	-30	V
Collector to emitter voltage	V_{CEO}	-20	V
Emitter to base voltage	$V_{\rm EBO}$	-5	V
Peak collector current	I_{CP}	-60	mA
Collector current	I_{C}	-30	mA
Collector power dissipation	P_{C}	300	mW
Junction temperature	T_{j}	150	°C
Storage temperature	T_{stg}	−55 ~ +150	°C



Electrical Characteristics (Ta=25°C)

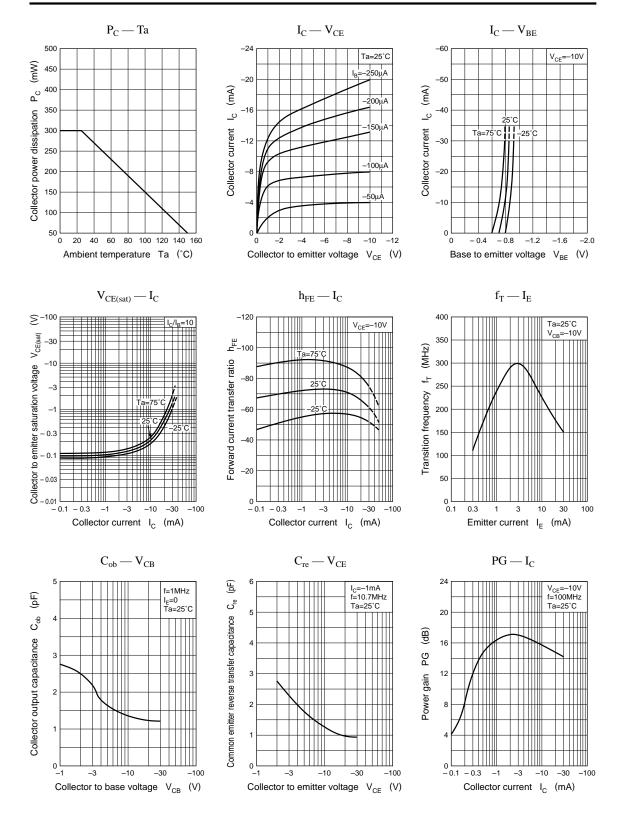
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = -10V, I_E = 0$			- 0.1	μΑ
Conector cutoff current	I _{CEO}	$V_{CE} = -20V, I_B = 0$			-100	μΑ
Emitter cutoff current	I_{EBO}	$V_{EB} = -5V, I_C = 0$			-10	μΑ
Forward current transfer ratio	h _{FE} *	$V_{CE} = -10V, I_{C} = -1mA$	70		220	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = -10mA, I_B = -1mA$		- 0.1		V
Base to emitter voltage	V _{BE}	$V_{CE} = -10V, I_{C} = -1mA$		- 0.7		V
Transition frequency	f_T	$V_{CB} = -10V$, $I_E = 1$ mA, $f = 200$ MHz	150	300		MHz
Noise figure	NF	$V_{CB} = -10V, I_E = 1mA, f = 5MHz$		2.8	4.0	dB
Reverse transfer impedance	Z _{rb}	$V_{CB} = -10V, I_E = 1mA, f = 2MHz$		22	50	Ω
Common emitter reverse transfer capacitanse	C _{re}	$V_{CE} = -10V, I_{C} = -1mA, f = 10.7MHz$		1.2	2.0	pF

*h_{FE} Rank classification

Rank	В	C		
h_{FE}	70 ~ 140	110 ~ 220		

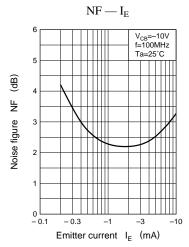
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Transistor 2SA1323



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Transistor 2SA1323



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