2SB1322A

Silicon PNP epitaxial planer type

For low-frequency power amplification Complementary to 2SD1994A

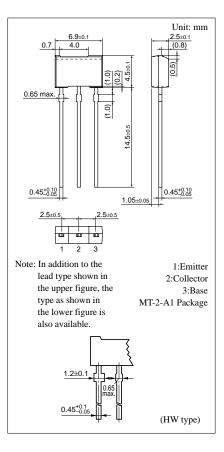
Features

• Allowing supply with the radial taping.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	-60	V
Collector to emitter voltage	V _{CEO}	-50	V
Emitter to base voltage	V _{EBO}	-5	V
Peak collector current	I _{CP}	-1.5	А
Collector current	I _C	-1	А
Collector power dissipation	P_{C}^{*}	1	W
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 ~ +150	°C

* Printed circuit board: Copper foil area of 1cm² or more, and the board thickness of 1.7mm for the collector portion



Electrical Characteristics (Ta=25°C)

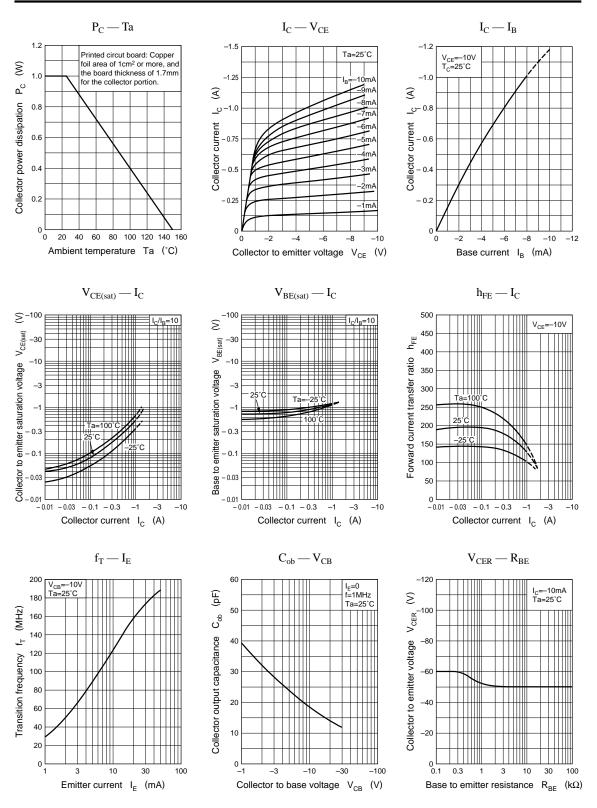
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = -20V, I_E = 0$			- 0.1	μΑ
Collector to base voltage	V _{CBO}	$I_{C} = -10 \mu A, I_{E} = 0$	-60			V
Collector to emitter voltage	V _{CEO}	$I_C = -2mA, I_B = 0$	-50			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -10 \mu A, I_{\rm C} = 0$	-5			V
Forward current transfer ratio	h _{FE1} *1	$V_{CE} = -10V, I_C = -500mA^{*2}$	85		340	
	h _{FE2}	$V_{CE} = -5V, I_C = -1mA^{*2}$	50			
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -500 {\rm mA}, I_{\rm B} = -50 {\rm mA}^{*2}$			- 0.4	V
Base to emitter saturation voltage	V _{BE(sat)}	$I_{\rm C} = -500 {\rm mA}, I_{\rm B} = -50 {\rm mA}^{*2}$			-1.2	V
Transition frequency	f _T	$V_{CB} = -10V, I_E = 50mA, f = 200MHz$		200		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		20	30	pF

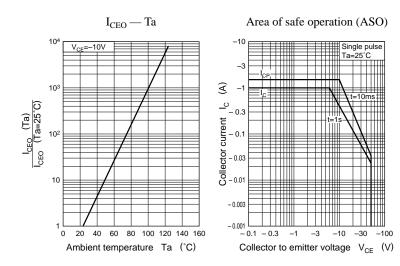
*2 Pulse measurement

*1hFE1 Rank classification

Rank	Q	R	S
h _{FE1}	85 ~ 170	120 ~ 240	170 ~ 340

Transistor





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