

2SB1322A

Silicon PNP epitaxial planer type

For low-frequency power amplification

Complementary to 2SD1994A

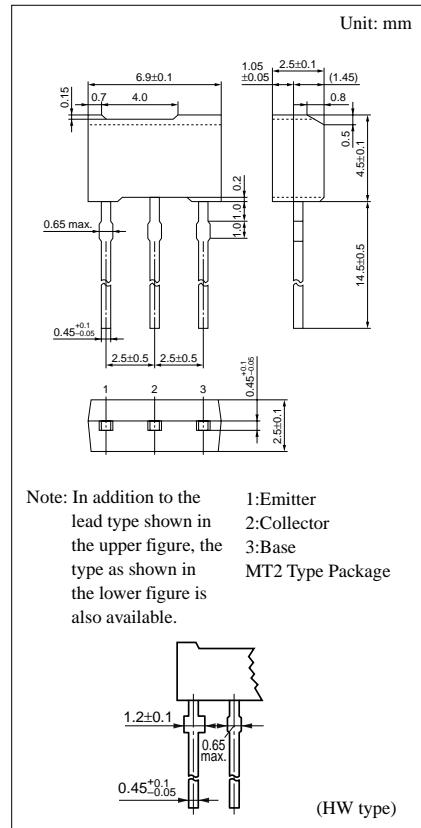
■ Features

- 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	A
Collector current	I _C	-1	A
Collector power dissipation	P _C *	1	W
Junction temperature	T _j	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	μA
Collector to base voltage	V _{CBO}	I _C = -10μA, 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 _E = -10μA, I _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 _C = -500mA, I _B = -50mA* ²			-0.4	V
Base to emitter saturation voltage	V _{BE(sat)}	I _C = -500mA, I _B = -50mA* 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

*¹ h_{FE1} Rank classification

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

