2SB1462J

Silicon PNP epitaxial planer type

For general amplification

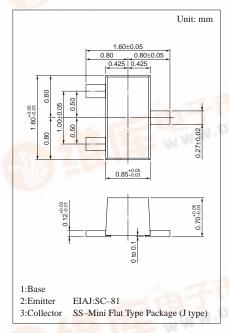
Complementary to 2SD2216J

Features

- High foward current transfer ratio hFE.
- SS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing and the magazine packing.

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}	-7	V
Peak collector current	I_{CP}	-200	mA
Collector current	I_{C}	-100	mA
Collector power dissipation	P_{C}	125	mW
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	−55 ~ +125	°C



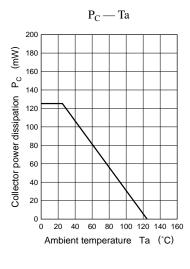
Marking symbol: A

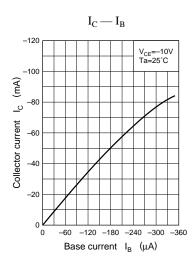
■ Electrical Characteristics (Ta=25°C)

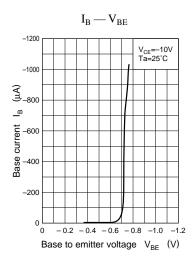
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = -20V, I_E = 0$			- 0.1	μА
	I _{CEO}	$V_{CE} = -10V, I_{B} = 0$			-100	μА
Collector to base voltage	V _{CBO}	$I_{\rm C} = -10\mu A, I_{\rm E} = 0$	-60		100	V
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = -100 \mu A, I_{\rm B} = 0$	-50	M		V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -10\mu A, I_{\rm C} = 0$	-7		E W	V
Forward current transfer ratio	h _{FE}	$V_{CE} = -10V, I_{C} = -2mA$	180		390	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -100 \mathrm{mA}, I_{\rm B} = -10 \mathrm{mA}$		- 0.3	- 0.5	V
Transition frequency	f_T	$V_{CB} = -10V, I_E = 1 \text{mA}, f = 200 \text{MHz}$		80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		2.7		pF

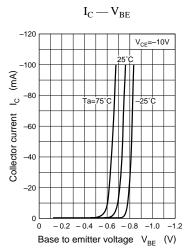


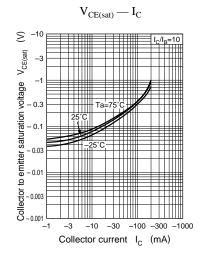
Transistor 2SB1462J

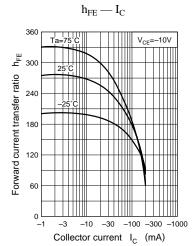


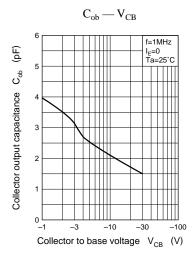












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