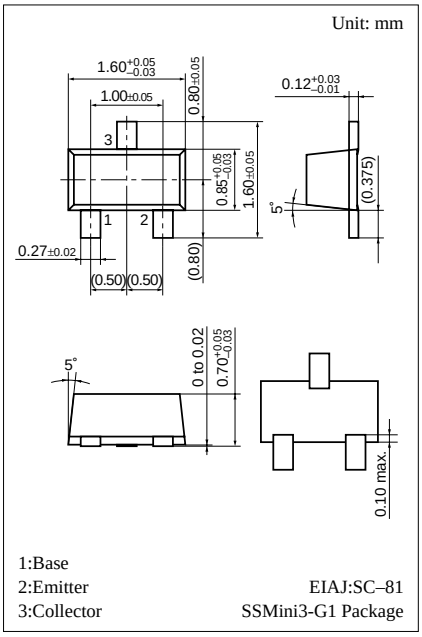
2SB1462J

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.



Marking symbol : A

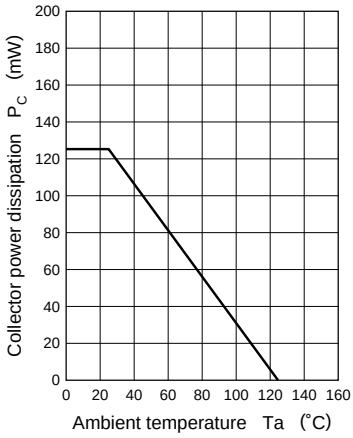
Absolute Maximum Ratings (Ta=25˚C)

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

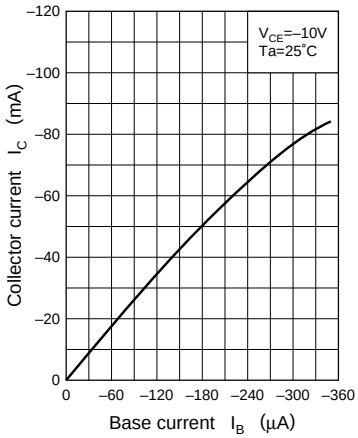
Electrical Characteristics (Ta=25˚C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I_{CBO}	V_{CB} = –20V, I_E = 0			– 0.1	μA
	I_{CEO}	V_{CE} = –10V, I_B = 0			–100	μA
Collector to base voltage	V_{CBO}	I_C = –10μA, I_E = 0	–60			V
Collector to emitter voltage	V_{CEO}	I_C = –100μA, I_B = 0	–50			V
Emitter to base voltage	V_{EBO}	I_E = –10μA, I_C = 0	–7			V
Forward current transfer ratio	h_{FE}	V_{CE} = –10V, I_C = –2mA	180		390	
Collector to emitter saturation voltage	$V_{CE(sat)}$	I_C = –100mA, I_B = –10mA		– 0.3	– 0.5	V
Transition frequency	f_T	V_{CB} = –10V, I_E = 1mA, f = 200MHz		80		MHz
Collector output capacitance	C_{ob}	V_{CB} = –10V, I_E = 0, f = 1MHz		2.7		pF

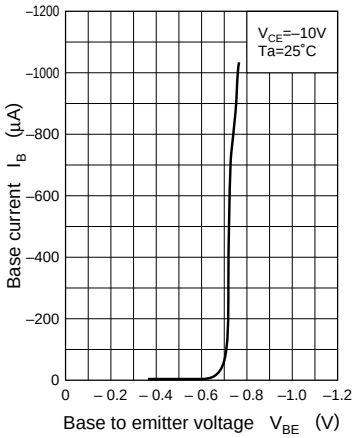
P_C — Ta



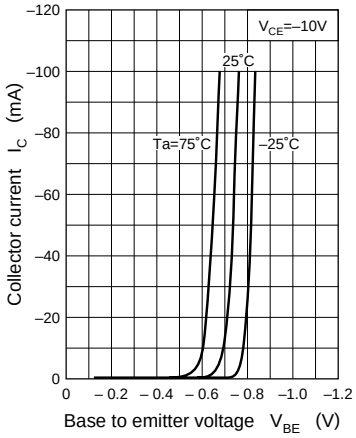
I_C — I_B



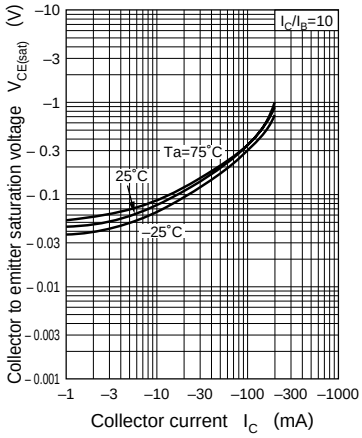
I_B — V_{BE}



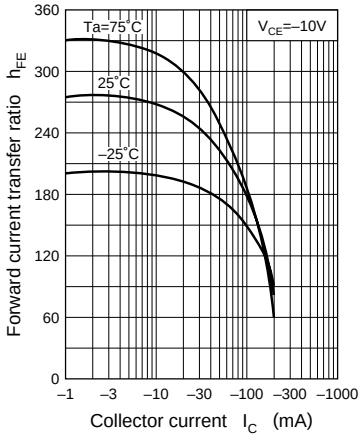
I_C — V_{BE}



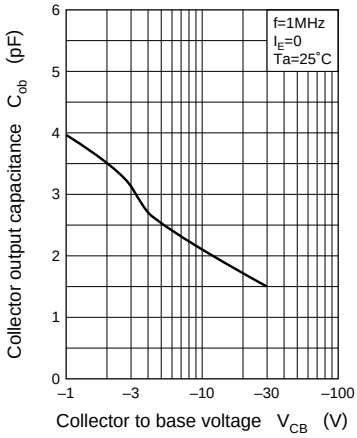
$V_{CE(sat)}$ — I_C



h_{FE} — I_C



C_{ob} — V_{CB}



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