2SB1462L

Silicon PNP epitaxial planer type

For general amplification Complementary to 2SD2216L

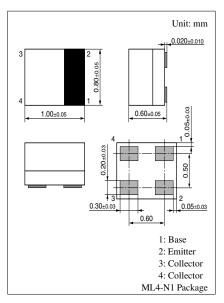
■ Features

- High foward current transfer ratio h_{FE}
- Mold leadless type package, allowing downsizing and thinning of the equipment and automatic insertion through the tape packing

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	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}	150	mW
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

Note) *: Printed circuit board copper foil for collector portion area: 20.0 mm² or more, thickness: 1.6 mm



Marking Symbol: J

■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

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

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