查询2SC5121供应商 Power Transistors

2SC5121

Silicon NPN triple diffusion planar type

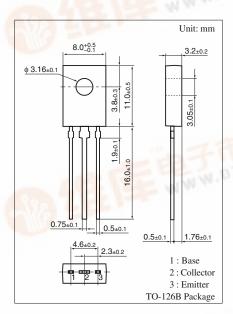
For general amplification

Features

- High collector to base voltage V_{CBO}
- High collector to emitter voltage V_{CEO}
- Small collector output capacitance Cob
- TO-126B package, which is fitted to a heat sink without any insulation parts

Parameter	Symbol	Rating	Unit	
Collector to base voltage	V _{CBO}	400	v	
Collector to emitter voltage	V _{CEO}	400	V	
Emitter to base voltage	V _{EBO}	7	V	
Peak collector current	I _{CP}	100	mA	
Collector current	I _C	70	mA	
Collector power dissipation	P _C	1.2	W	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

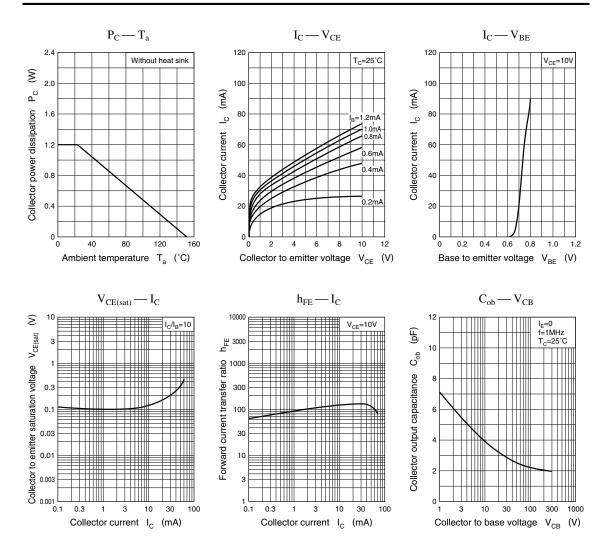
Absolute Maximum Ratings $T_C = 25^{\circ}C$



Electrical Characteristics $T_C = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 300 \text{ V}, I_E = 0$			10	μΑ
	Hot I _{CEO}	$V_{CE} = 380 \text{ V}, I_B = 0, T_a = 80^{\circ}\text{C}$			10	μΑ
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 100 \ \mu A, I_{\rm B} = 0$	400			V
Emitter to base voltage	V_{EBO}	$I_{\rm E} = 1 \ \mu A, \ I_{\rm C} = 0$	7		- 07	V
Forward current transfer ratio	h _{FE}	$V_{CE} = 10 \text{ V}, I_C = 5 \text{ mA}$	30		150	WW.
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = 50 \text{ mA}, I_{\rm B} = 5 \text{ mA}$	ALC:		1.2	V
Transition frequency	f_{T}	$V_{CB} = 10 \text{ V}, I_E = -10 \text{ mA}, f = 200 \text{ MHz}$	50	80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = 10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		4	8	pF





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