2SA1487

Silicon PNP epitaxial planer type

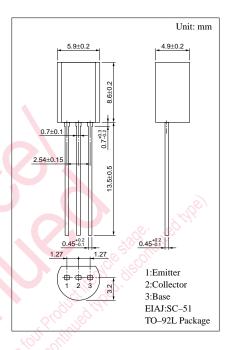
For video amplifier

Features

- High transition frequency f_T .
- Small collector output capacitance C_{ob}.

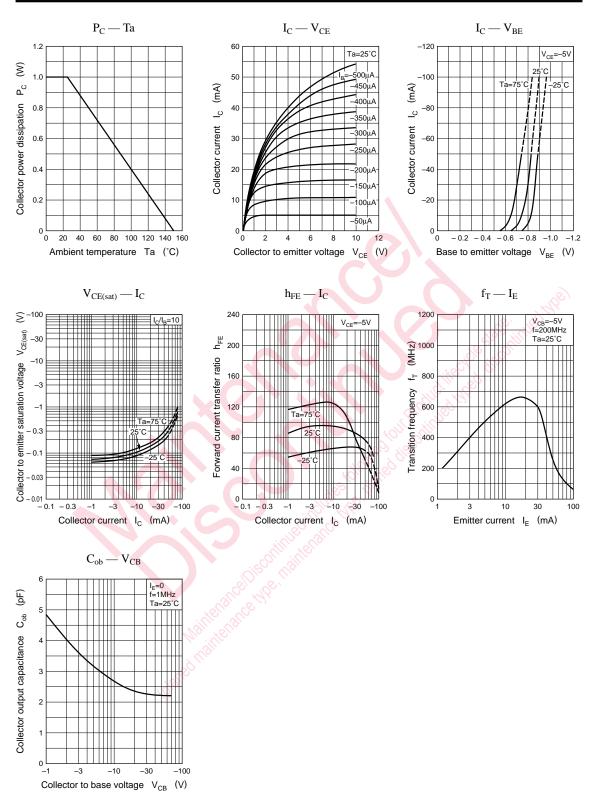
Absolute Maximum Ratings (1a=25 C)								
Parameter	Symbol	Ratings	Unit					
Collector to base voltage	V _{CBO}	-85	V					
Collector to emitter voltage	V _{CEO}	-85	V					
Emitter to base voltage	V_{EBO}	-4	V					
Peak collector current	I _{CP}	-100	mA					
Collector current	I _C	-50	mA					
Collector power dissipation	P _C	1	W					
Junction temperature	Tj	150	°C					
Storage temperature	T _{stg}	-55 ~ +150	°C					

Absolute Maximum Ratings (Ta=25°C)



Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CEO}	$V_{CE} = -60V, I_{B} = 0$			-10	μΑ
Collector to base voltage	V _{CBO}	$I_{\rm C} = -100 \mu A, I_{\rm E} = 0$	-85			V
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 1 \mathrm{mA}, I_{\rm B} = 0$	-85			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -100 \mu A, I_{\rm C} = 0$	-4			V
Forward current transfer ratio	h _{FE}	$V_{CE} = -5V, I_C = -10mA$	60			
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -10 {\rm mA}, I_{\rm B} = -1 {\rm mA}$			- 0.5	V
Transition frequency	f _T	$V_{CB} = -5V, I_E = 10mA, f = 200MHz$		500		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		2.7		pF



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