2SA1487

Silicon PNP epitaxial planer type

For video amplifier

Features

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

Absolute Maximum Ratings (Ta=25°C)

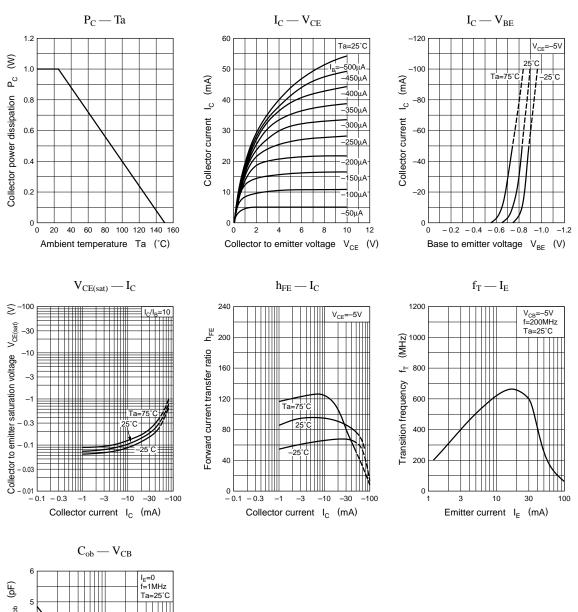
Parameter	Symbol	Ratings	Unit				
Collector to base voltage	V _{CBO}	-85	V				
Collector to emitter voltage	V _{CEO}	-85	V				
Emitter to base voltage	V _{EBO}	-4	V				
Peak collector current	I _{CP}	-100	mA				
Collector current	I _C	-50	mA				
Collector power dissipation	P _C	1	W				
Junction temperature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

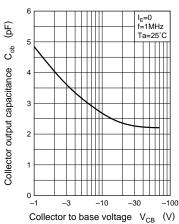
Unit: mm 4.9±0.2 5.9±0.2 8.6±0.2 0.7±0.1 0.7-0.2 2.54±0.15 13.5±0.5 0.45-0.1 0.45-0.1 1.27 1.27 1:Emitter фф ф 2:Collector 3.2 3:Base EIAJ:SC-51 TO-92L Package

Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CEO}	$V_{CE} = -60V, I_B = 0$			-10	μA
Collector to base voltage	V _{CBO}	$I_{\rm C} = -100 \mu A, \ I_{\rm E} = 0$	-85			v
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 1 {\rm mA}, I_{\rm B} = 0$	-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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