查询2SB1297供应商

Transistor

2SB1297

Silicon PNP epitaxial planer type

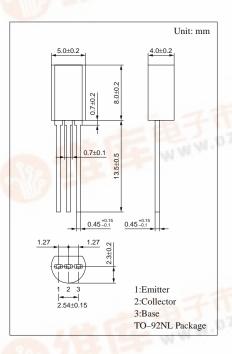
For low-frequency output amplification Complementary to 2SD1937

Features

- Extremely satisfactory linearity of the forward current transfer ratio h_{FE}.
- High transition frequency f_T.
- Makes up a complementary pair with 2SD1937, which is optimum for the pre-driver stage of a 40 to 60W output amplifier.

Absolute Maximum	Ratings	(Ta=25°C)
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Parameter	Symbol	Ratings	Unit	
Collector to base voltage	V _{CBO}	-120	V	
Collector to emitter voltage	V _{CEO}	-120	V	
Emitter to base voltage	V_{EBO}	-5	V	
Peak collector current	I _{CP}	-1	А	
Collector current	I _C	- 0.5	А	
Collector power dissipation	P _C	1	W	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55 ~ +150	°C	
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Electrical Characteristics (Ta=25°C)

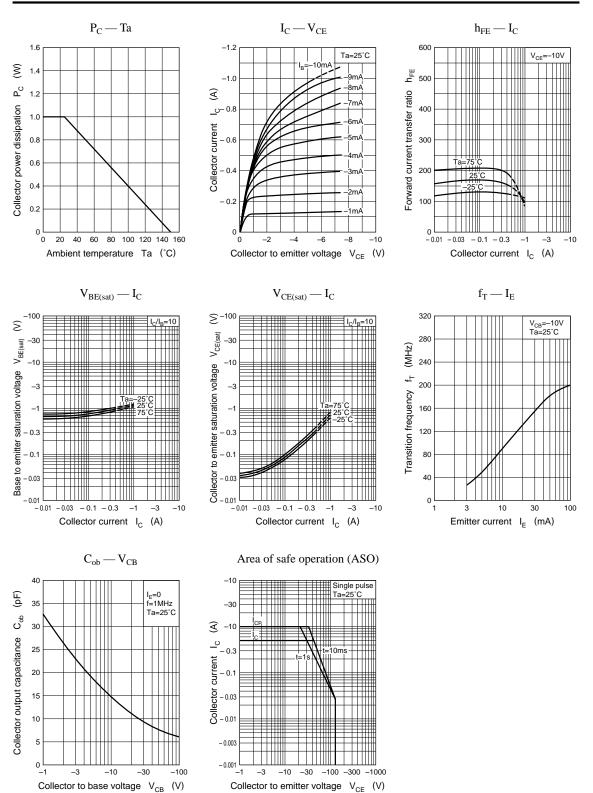
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to emitter voltage	V _{CEO}	$I_{C} = -0.1 \text{mA}, I_{B} = 0$	-120		1.44	V
Emitter to base voltage	V _{EBO}	$I_E = -10 \mu A, \ I_C = 0$	-5	1		V
Forward current transfer ratio	h _{FE1} *1	$V_{CE} = -10V, I_C = -150mA^{*2}$	90	- 12	220	1.40
	h _{FE2}	$V_{CE} = -5V, I_C = -500 \text{mA}^{*2}$	50	6.55		
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -300 {\rm mA}, I_{\rm B} = -30 {\rm mA}^{*2}$			-1.0	V
Base to emitter saturation voltage	V _{BE(sat)}	$I_{\rm C} = -300 {\rm mA}, I_{\rm B} = -30 {\rm mA}^{*2}$			-1.2	V
Transition frequency	f _T	$V_{CB} = -10V, I_E = 50mA, f = 200MHz$		250		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$			30	pF

*2 Pulse measurement

*1hFE1 Rank classification



Transistor



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