2SC3187

Silicon NPN triple diffusion planer type

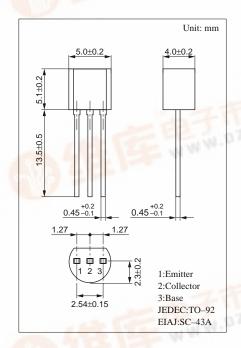
For small TV video output

Features

- High collector to emitter voltage V_{CEO}.
- Small collector output capacitance C_{ob}.

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	300	V
Collector to emitter voltage	V _{CEO}	300	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}	750	mW
Junction temperature	T_{j}	150	°C
Storage temperature	T_{stg}	−55 ~ +150	°C

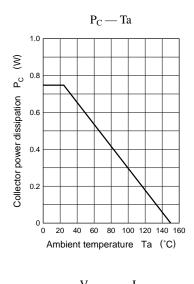


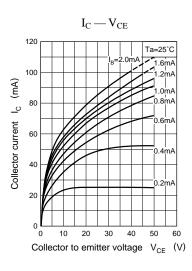
Electrical Characteristics (Ta=25°C)

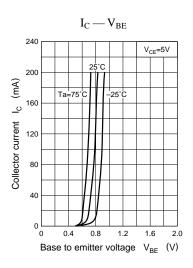
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to base voltage	V _{CBO}	$I_{\rm C} = 10 \mu A, I_{\rm E} = 0$	300			V
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 100 \mu {\rm A}, I_{\rm B} = 0$	300			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = 10 \mu A, I_{\rm C} = 0$	7			V
Forward current transfer ratio	h _{FE}	$V_{CE} = 50V, I_C = 5mA$	50		250	- 54
Base to emitter voltage	V _{BE}	$V_{CE} = 10V, I_{C} = 30mA$			1.2	V
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = 30 {\rm mA}, I_{\rm B} = 3 {\rm mA}$			1.5	V
Transition frequency	f_T	$V_{CB} = 30V, I_E = -20mA, f = 200MHz$	70	140		MHz
Collector output capacitance	C _{ob}	$V_{CB} = 30V, I_E = 0, f = 1MHz$		1.9		pF
- s.b (4:	7.41	N.075				

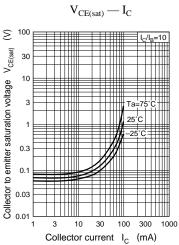


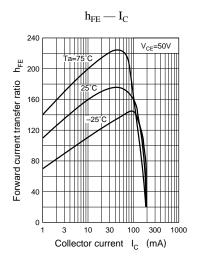
Transistor 2SC3187

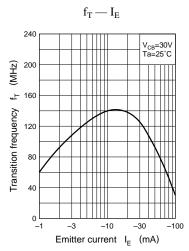


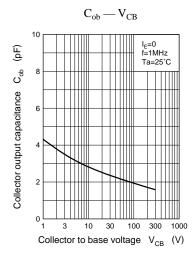


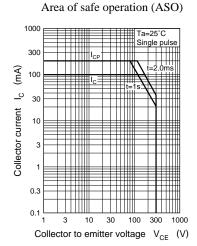












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