Panasonic

2SA1858

Silicon PNP epitaxial planer type

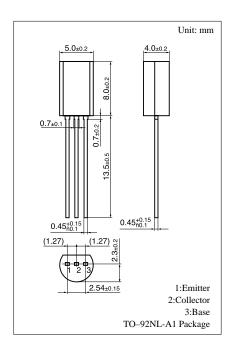
For general amplification

Features

ullet High collector to emitter voltage V_{CEO} .

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	$V_{\rm EBO}$	-5	V
Peak collector current	I_{CP}	-100	mA
Collector current	I_{C}	-70	mA
Collector power dissipation	P_{C}	1	W
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	−55 ~ +150	°C



Electrical Characteristics (Ta=25°C)

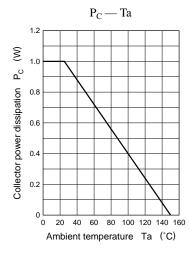
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = -100 \mu A, I_{\rm B} = 0$	-300			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -1 \mu A, I_{\rm C} = 0$	-5			V
Forward current transfer ratio	h _{FE} *	$V_{CE} = -10V, I_{C} = -5mA$	30		150	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -10 \text{mA}, I_{\rm B} = -1 \text{mA}$			- 0.6	V
Transition frequency	f_T	$V_{CB} = -10V$, $I_E = 10mA$, $f = 200MHz$	50			MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		7		pF

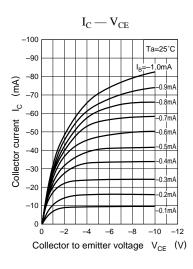
*hFE Rank classification

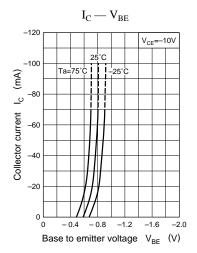
Rank	P	Q
h_{FE}	30 ~ 100	60 ~ 150

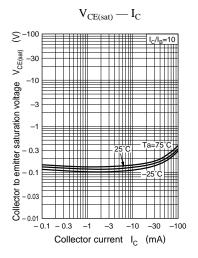
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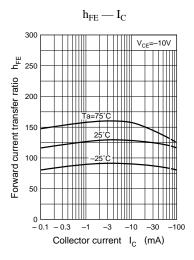
Transistor 2SA1858

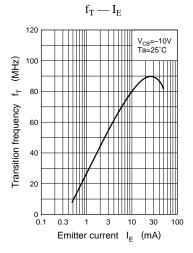


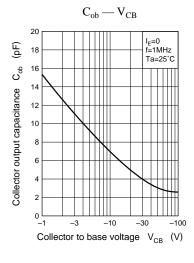


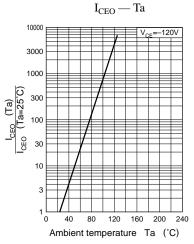












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