2SA1018

Silicon PNP epitaxial planer type

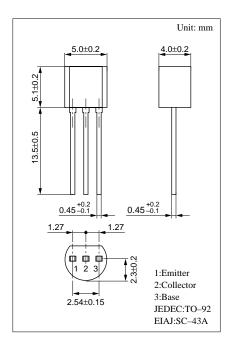
For general amplification Complementary to 2SC1473

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}	-250	V
Collector to emitter voltage	V _{CEO}	-200	V
Emitter to base voltage	V _{EBO}	-5	V
Peak collector current	I_{CP}	-100	mA
Collector current	I_{C}	-70	mA
Collector power dissipation	P_{C}	750	mW
Junction temperature	T _j	150	°C
Storage temperature	$T_{\rm stg}$	−55 ~ +150	°C



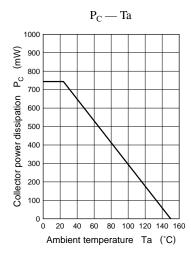
Electrical Characteristics (Ta=25°C)

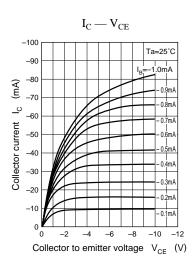
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CEO}	$V_{CE} = -120V, I_B = 0, Ta = 60^{\circ}C$			-1	μА
Collector to emitter voltage	V _{CEO}	$I_C = -100 \mu A, I_B = 0$	-200			V
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -1 \mu A, I_{\rm C} = 0$	-5			V
Forward current transfer ratio	h _{FE} *	$V_{CE} = -10V, I_{C} = -5mA$	60		220	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -50 \text{mA}, I_{\rm B} = -5 \text{mA}$			-1.5	V
Transition frequency	f_T	$V_{CB} = -10V$, $I_E = 10mA$, $f = 200MHz$	50			MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$			10	pF

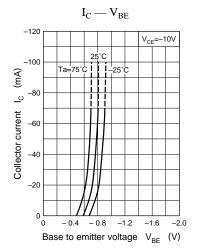
*h_{FE} Rank classification

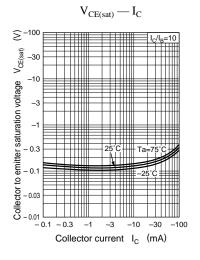
Rank	Q	R
h_{FE}	60 ~ 150	100 ~ 220

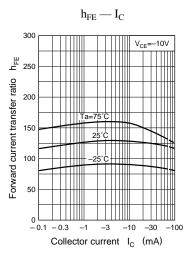
Transistor 2SA1018

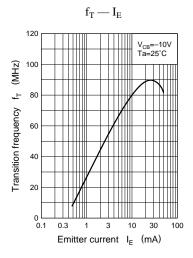


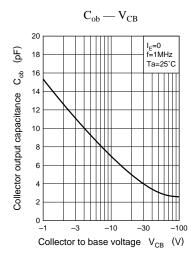




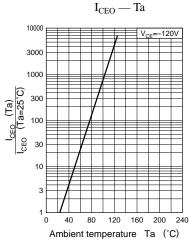








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