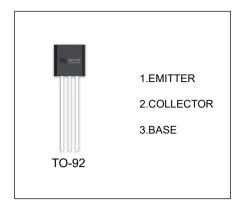


2SA844 TRANSISTOR (PNP)

FEATURES

- High DC Current Gain
- Low Frequency Amplifier



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SA844	TO-92	Bulk	1000pcs/Bag
2SA844-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-55	V
V _{CEO}	Collector-Emitter Voltage	-55	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current -Continuous	-0.1	А
P _D	Collector Power Dissipation	300	mW
R ₀ JA	Thermal Resistance *rom Junction *o Ambient	416	°C /W
T_J , T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃



Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-0.01mA,I _E =0	-55			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA,I _B =0	-55			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-0.01mA,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-18V,I _E =0			-0.1	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =-2V,I _C =0			-0.05	μΑ
DC current gain	h _{FE}	V _{CE} =-12V, I _C =-2mA	160		800	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-10mA,I _B =-1mA			-0.5	V
Base-emitter voltage	V _{BE}	V _{CE} =-12V, I _C =-2mA			-0.75	V
Collector output capacitance	C _{ob}	V _{CE} =-10V,I _C =0, f=1MHz		2	·	pF
Transition frequency	f _T	Vce=-12V,lc=-2mA		200		MHz

CLASSIFICATION OF h_{FE}

RANK	С	D	E
RANGE	160-320	250-500	400-800