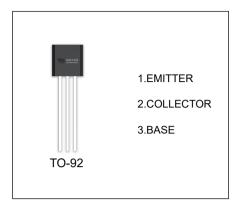


2N4124 TRANSISTOR (NPN)

FEATURES

- High DC Current Gain
- High Transition Frequency



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2N4124	TO-92	Bulk	1000pcs/Bag
2N4124-TA	TO-92	TAPE	2ooopcs/Box

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

Symbol	Parameter	Value	Unit	
V _{CBO}	Collector-Base Voltage	30	V	
V _{CEO}	Collector-Emitter Voltage	25	V	
V _{EBO}	Emitter-Base Voltage	5	V	
Ic	Collector Current -Continuous	0.2	А	
P _D	Collector Power Dissipation	350	mW	
R _{0 JA}	Thermal Resistance rom Junction to Ambient	357	°C /W	
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C	



$T_a \text{=} 25\, ^{\circ}\text{C}\,$ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = 0.01mA,I _E =0	30			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =1mA,I _B =0	25			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} =20V,I _E =0			50	nA
Emitter cut-off current	I _{EBO}	V _{EB} =3V,I _C =0			50	nA
DC current gain	h _{FE(1)}	V _{CE} =1V, I _C =2mA	120		360	
	h _{FE(2)}	V _{CE} =1V, I _C =50mA	60			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =50mA,I _B =5mA			0.3	V
Base-emitter saturation voltage	V _{BE (sat)}	I _C =50mA,I _B =5mA			0.95	V
Collector output capacitance	C _{ob}	V _{CB} =5V,I _E =0, f=1MHz			4	pF
Transition frequency	f _T	Vce=20V,lc=10mA, f=100MHz	300			MHz