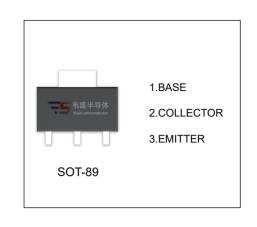


2SB1424 TRANSISTOR (PNP)

FEATURES

- Excellent DC current gain
- Low collector-emitter saturation voltage
- Complement the 2SD2150

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)



Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-20	V
V _{CEO}	Collector-Emitter Voltage	-20	V
V _{EBO}	Emitter-Base Voltage	-6	V
Ic	Collector Current	-3	А
Pc	Collector Power Dissipation	500	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	250	°C/W
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-50μA,I _E =0	-20			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA,I _B =0	-20			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-50μA,I _C =0	-6			V
Collector cut-off current	I _{CBO}	V _{CB} =-20V,I _E =0			-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-5V,I _C =0			-0.1	μA
DC current gain	h _{FE}	V _{CE} =-2V, I _C =-0.1A	120		390	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-2A,I _B =-0.1A			-0.5	V
Collector output capacitance	Cob	V _{CB} =-10V,I _E =0, f=1MHz		35		pF
Transition frequency	f⊤	Vc==-2V,lc=-0.5A, f=100MHz		240		MHz

CLASSIFICATION OF h_{FE}

RANK	Q	R		
RANGE	120 - 270	180 - 390		
MARKING	AEQ	AER		



