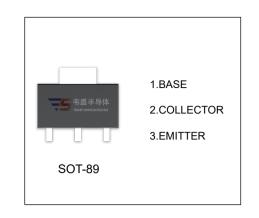


2SB1119 TRANSISTOR (PNP)

FEATURES

- Small Flat Package
- LF Amplifier, Electronic Governor Applications



MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-25	V
V _{CEO}	Collector-Emitter Voltage	-25	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current	-1	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 (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-10μΑ,I _E =0	-25			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 =-10μΑ,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-20V,I _E =0			-100	nA
Emitter cut-off current	I _{EBO}	V _{EB} =-4V,I _C =0			-100	nA
DC current gain	h _{FE(1)}	V _{CE} =-2V, I _C =-50mA	100		560	
DC current gam	h _{FE(2)}	V _{CE} =-2V, I _C =-1A	40			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-500mA,I _B =-50mA			-0.7	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-500mA,I _B =-50mA			-1.2	V
Collector output capacitance	C _{ob}	V _{CB} =-10V,I _E =0, f=1MHz 25		25		pF
Transition frequency	f _T	Vc=10V,lc=-50mA,		180		MHz

CLASSIFICATION OF h_{FE(1)}

RANK	R	S	Т	U		
RANGE	100 - 200	140 - 280	200 - 400	280 - 560		
MARKING	ВВ					