

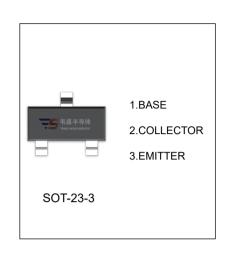
2SB1197 TRANSISTOR (PNP)

FEATURES

- Low $V_{CE(sat)}$. $V_{CE(sat)}$ <-0.5 $V(I_C / I_B = -0.5A / -50mA)$
- I_C =-0.8A.
- Complements the 2SD1781.

MAXIMUM RATINGS (Ta=25 $^{\mbox{\tiny \mathbb{C}}}$ unless otherwise noted)

Symbol	Parameter	Value	Unit	
V _{СВО}	Collector- Base Voltage	-40	V	
V _{CEO}	Collector-Emitter Voltage	-32	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
Ic	Collector Current -Continuous	-0.8	А	
Pc	Collector Power Dissipation	200	mW	
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55-150	°C	



ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-50μΑ, I _E =0	-40			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -1mA, I _B =0	-32			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -50μΑ, I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-20V,I _E =0			-0.5	μA
Emitter cut-off current	I _{EBO}	V _{EB} = -4V,I _C =0			-0.5	μA
DC current gain	h _{FE}	V _{CE} =-3V,I _C = -100mA	82		390	
Collector-emitter saturation voltage	V _{CE} (sat)	I _C =-500 mA, I _B = -50mA			-0.5	V
Transition frequency	f _T	V _{CE} =-5V, I _C = -50mA, f=100MHz	50	200		MHz
Collector output capacitance	Cob	V _{CB} =-10V,I _E =0,f=1MHz		12	30	pF

CLASSIFICATION OF hfe

Rank	Р	Q	R
Range	82-180	120-270	180-390
Marking	AHP	AHQ	AHR



