

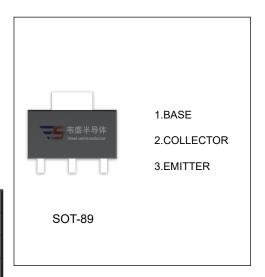
2SB1188 TRANSISTOR (PNP)

FEATURES

- Low Vce(sat).
- Complements the 2SD1766

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

Symbol	Parameter	Value	Unit	
V _{CBO}	Collector-Base Voltage	-40	V	
V _{CEO}	Collector-Emitter Voltage	-32	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
Ic	Collector Current -Continuous	-2	Α	
Pc	Collector Power Dissipation	500	mW	
R _{θJA}	Thermal Resistance From Junction To Ambient	250	°C/W	
R _θ Jc	Thermal Resistance From Junction To Case	45	°C/W	
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~150	℃	



ELECTRICAL CHARACTERISTICS (Ta=25 $^{\circ}$ C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-50 ♠ , 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 =-50⊠A, I _C =0	-5			٧
Collector cut-off current	I _{CBO}	V _{CB} =-20 V , I _E =0			-1	⊠ A
Emitter cut-off current	I _{EBO}	V _{EB} =-4 V , I _C =0			-1	⊠ A
DC current gain *	h _{FE}	V _{CE} = -3V, I _C = -0.5A	82		390	
Collector-emitter saturation voltage *	V _{CE(sat)}	I _C =-2A, I _B = -0.2A			-0.8	V
Transition frequency	f _T	V _{CE} =-5V, I _C =-0.5A ,f=30MHz		100		MHz
Output capacitance	C _{ob}	V _{CB} =-10V, I _E =0 ,f=1MHz		50		pF

^{*} Measured using pulse current.

CLASSIFICATION OF hFE

Rank	Р	Q	R
Range	82-180	120-270	180-390
Marking	ВСР	BCQ	BCR



