

2SB1308 TRANSISTOR (PNP)

FEATURES

- Power Transistor
- Excellent DC current Gain
- Low Collector-emitter Saturation Voltage

1.BASE 2.COLLECTOR 3.EMITTER SOT-89

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-30	V
V _{CEO}	Collector-Emitter Voltage	-20	V
V _{EBO}	Emitter-Base Voltage	-6	V
Ic	Collector Current	-3	Α
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	$^{\circ}$

ELECTRICAL CHARACTERISTICS (T_a =25 $^{\circ}$ 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	-30			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 =-50μΑ,I _C =0	-6			V
Collector cut-off current	I _{CBO}	V _{CB} =-20V,I _E =0			-0.5	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =-5V,I _C =0			-0.5	μΑ
DC current gain	h _{FE}	V _{CE} =-2V, I _C =-0.5A	82		390	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-1.5A,I _B =-0.15A			-0.45	V
Collector output capacitance	C _{ob}	V _{CB} =-20V,I _E =0, f=1MHz		60		рF
Transition frequency	f _T	Vce=-6V,Ic=-50mA, f=30MHz		120		MHz

CLASSIFICATION OF h_{FF}

RANK	Р	Q	R
RANGE	82 - 180	120 - 270	180 - 390
MARKING	BFP	BFQ	BFR



