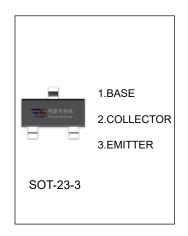


2SA1162 TRANSISTOR (PNP)

FEATURES

- Low noise
- Complementary to 2SC2712
- Small Package



MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-50	V
V _{CEO}	Collector-Emitter Voltage	-50	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current	-150	mA
Pc	Collector Power Dissipation	150	mW
Roja	Thermal Resistance From Junction To Ambient	833	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

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 =-100μA,I _E =0	-50			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA,I _B =0	-50			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μA,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-50V,I _E =0			-0.1	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =-5V,I _C =0			-0.1	μA
DC current gain	h _{FE}	V _{CE} =-6V,I _C =-2mA	70		400	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-100mA,I _B =-10mA			-0.3	V
Transition frequency	f _T	V _{CE} =-10V,I _C =-1mA	80			MHz
Collector output capacitance	C _{ob}	V _{CB} =-10V,I _E =0,f=1MHz			7	pF
Noise figure	NF	V_{CE} =-6 V , I_c =0.1 m A, f=1 K Hz, R g=10 K Ω			10	dB

CLASSIFICATION OF $\,h_{\text{FE}}$

Rank	0	Y	GR(G)
Range	70-140	120-240	200-400



