

FEATURES

Low noise : NF= 1dB(Typ.),10dB (Max.)
 Complementary to 2SC2712.
 Small Package.

2SA1162(PNP)



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

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V _{CBO}	-50	V
Collector-Emitter Voltage	V _{CEO}	-50	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current -Continuous	I _C	-150	mA
Collector Power Dissipation	P _C	150	mW
Junction Temperature	T _J	125	°C
Storage Temperature	T _{stg}	-55 to +150	°C

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{CBO}	I _C =-100u A,I _E =0	-50			V
Collector-emitter breakdown voltage	V _{CEO}	I _C =-1mA,I _B =0	-50			V
Emitter-base breakdown voltage	V _{EBO}	I _E =-100 u A,I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-50V,I _E =0			-0.1	u A
Emitter cut-off current	I _{EBO}	V _{EB} =-5V,I _C =0			-0.1	u A
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} =-6V,I _c =0.1mA,			10	dB

Rank	SO	SY	SG
Range	70-140	120-240	200-400

2SA1162 Typical Characteristics

