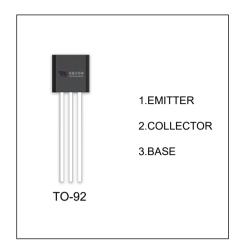


2SA950 TRANSISTOR (PNP)

FEATURES

- 1W Output Applications
- Complementary to 2SC2120



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SA950	TO-92	Bul	1000pcs/Bag
2SA950-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS ($T_a=25^{\circ}C$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-35	V
V _{CEO}	Collector-Emitter Voltage	-30	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current -Continuous	-0.8	Α
P _D	Collector Power Dissipation	600	mW
R ₀ JA	Thermal Resistance from Junction to Ambient	208	°C /W
T_J , T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃



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 = -0.1mA , I _E =0	-35			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -10mA , I _B =0	-30			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -0.1mA, I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} = -35V, I _E =0			-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} = -5V, I _C =0			-0.1	μA
DO summer to make	h _{FE(1)}	V _{CE} =-1V, I _C =-100mA	100		320	
DC current gain	h _{FE(2)}	V _{CE} =-1V, I _C = -700mA	35			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = -500mA, I _B = -20mA			-0.7	V
Emitter-base voltage	V _{BE} V _{CE} =-1		-0.5		-0.8	V
Collector Output Capacitance	C_ob	VCB=-10V,IE=0 f=1MHz		19		pF
Transition frequency	f _T	V _{CE} =-5V,I _C =-10mA		120		MHz

CLASSIFICATION OF h_{FE(1)}

Rank	0	Υ
Range	100-200	160-320



