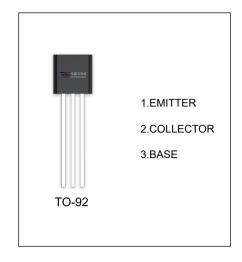


\$9012 TRANSISTOR (PNP)

FEATURES

- Complementary to S9013
- Excellent h_{FE} linearity



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity 1000pcs/Bag	
S9012	TO-92	Bulk		
S9012-TA	TO-92	Таре	2000pcs/Box	

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

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-40	V
V _{CEO}	Collector-Emitter Voltage	-25	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current -Continuous	-0.5	Α
P _D	Collector Power Dissipation	625	mW
R ₀ JA	Thermal Resistance from Junction to Ambient 200		°C /W
T_J , T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃



Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = -100μA, I _E =0	-40			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -1mA,I _B =0	-25			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-100μΑ, I _C =0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} =-40V, I _E =0			-0.1	μΑ
Collector cut-off current	I _{CEO}	V _{CE} =-20V, I _B =0			-0.1	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} = -5V, I _C =0			-0.1	μΑ
DC current gain	h _{FE}	V _{CE} =-1V,I _C =-50mA	64		400	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-500mA, I _B = -50mA			-0.6	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-500mA, I _B = -50mA			-1.2	V
Transition frequency	f _T	V_{CE} =-6V, I_{C} = -20mA f=30MHz	150			MHz

CLASSIFICATION OF h_{FE}

Rank	D	E	F	G	Н	I	J
Range	64-91	78-112	96-135	112-166	144-202	190-300	300-400



