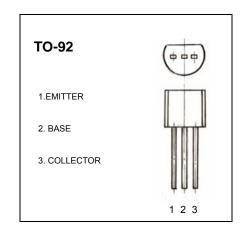


S9015 TRANSISTOR (PNP)

FEATURES

- High total power dissipation.(P_C=0.45W)
- High h_{FE} and good linearity
- Complementary to S9014



MAXIMUM RATINGS (T_A=25℃ unless otherwise noted)

Symbol	Parameter	Value	Units	
V _{CBO}	Collector-Base Voltage	-50	V	
V _{CEO}	Collector-Emitter Voltage	-45	V	
V _{EBO}	Emitter-Base Voltage -5		V	
Ic	Collector Current -Continuous	-0.1	Α	
Pc	Collector Power Dissipation	0.45	W	
Tj	Junction Temperature	150	°C	
T _{stg}	Storage Temperature	-55-150	°C	

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

Parameter	Symbol	Test conditions	MIN	TYP	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	-45			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			-0.05	μA
Emitter cut-off current	I _{EBO}	V _{EB} = -5V, I _C =0			-0.05	μA
DC current gain	h _{FE}	V _{CE} =-5V, I _C = -1mA	60		1000	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-100mA, I _B = -10mA			-0.3	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =-100mA, I _B =-10mA			-1	V
Transition frequency	f⊤	V _{CE} =-5V, I _C = -10mA f=30MHz	100			MHz

CLASSIFICATION OF h_{FE(1)}

Rank	A	В	С	D
Range	60-150	250-300	300-400	400-1000

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S9015 TRANSISTOR (PNP)

Typical Characteristics

S9015

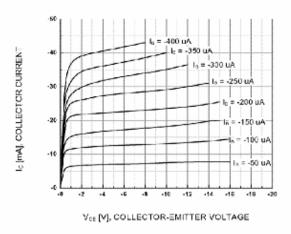


Figure 1. Static Characteristic

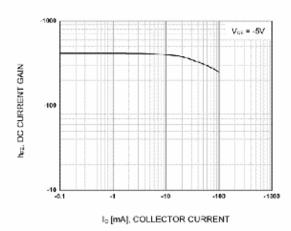


Figure 2. DC current Gain

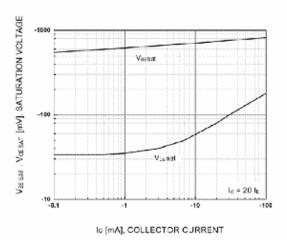


Figure 3. Base-Emitter Saturation Voltage Collector-Emitter Saturation Voltage

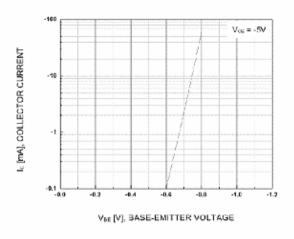


Figure 4. Base-Emitter On Voltage

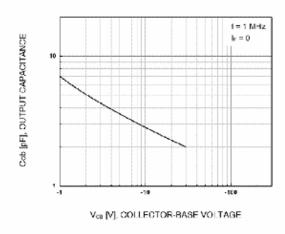


Figure 5. Collector Output Capacitance

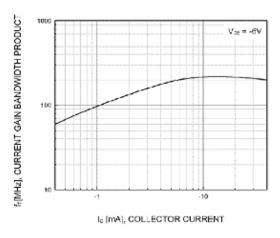


Figure 6. Current Gian Bandwidth Product

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