

TO-92 Plastic-Encapsulate Transistors

MPSA56 TRANSISTOR (PNP)

FEATURES

- General Purpose Switching and Amplification.

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

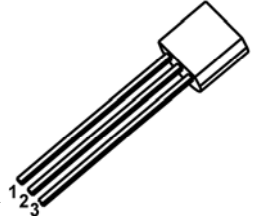
Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage	-80	V
V _{CEO}	Collector-Emitter Voltage	-80	V
V _{EBO}	Emitter-Base Voltage	-4	V
I _C	Collector Current	-0.5	A
P _C	Collector Power Dissipation	625	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	200	°C/W
T _j	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~+150	°C

TO - 92

1.EMITTER

2.BASE

3.COLLECTOR



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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = -0.1mA, I _E =0	-80			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =-1mA, I _B =0	-80			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =-0.1mA, I _C =0	-4			V
Collector cut-off current	I _{CBO}	V _{CB} =-80V, I _E =0			-0.1	μA
Collector cut-off current	I _{CEO}	V _{CE} =-60V, I _B =0			-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-4V, I _C =0			-0.1	μA
DC current gain	h _{FE(1)}	V _{CE} =-1V, I _C =-10mA	100			
	h _{FE(2)}	V _{CE} =-1V, I _C =-100mA	100			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-100mA, I _B =-10mA			-0.25	V
Base-emitter voltage	V _{BE}	I _C =-100mA, V _{CE} =-1V			-1.2	V
Transition frequency	f _T	V _{CE} =-1V, I _C =-100mA, f=100MHz	50			MHz

Typical Characteristics

MPSA56

