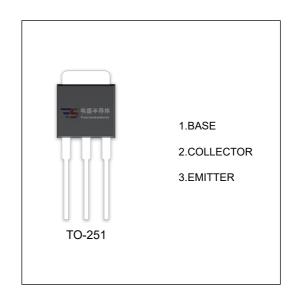


MJD122 TRANSISTOR (NPN)

FEATURES

- High DC Current Gain
- Electrically Similar to Popular TIP122
- Built-in a Damper Diode at E-C



MAXIMUM RATINGS (Ta=25°Cunless otherwise noted)

Symbol	Parameter	Value	Unit	
V _{CBO}	Collector-Base Voltage	100	V	
V _{CEO}	Collector-Emitter Voltage	100	V	
V _{EBO}	Emitter-Base Voltage	5	V	
Ic	Collector Current -Continuous	8	А	
Pc	Collector Dissipation	1.5	W	
T _J , T _{stg}	Operation Junction and Storage Temperature Range	-55-150	°C	

ELECTRICAL CHARACTERISTICS (Ta=25 ℃ unless otherw ise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	Ic=1mA,I _E =0	100			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	Ic=30mA,I _B =0	100			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =3mA,I _C =0	5			V
Collector cut-off current	Ісво	V _{CB} =100V,I _E =0			10	μA
Collector-emitter cut-off current	I _{CEO}	V _{CE} =50V,I _E =0			10	μA
Emitter cut-off current	I _{EBO}	V _{EB} =5V,I _C =0			2	mA
DC assessed states	h _{FE(2)}	V _{CE} =4V,I _C =4A	1000		12000	
DC current gain	h _{FE(3)}	V _{CE} =4V,I _C =8A	100			
Collector emitter acturation valters	V _{CE(sat)(1)}	I _C =4A,I _B =16mA			2	V
Collector-emitter saturation voltage	V _{CE(sat)(2)}	I _C =8A,I _B =80mA			4	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =8A,I _B =80mA			4.5	V
Base-emitter voltage*	V _{BE}	V _{CE} =4V,I _C =4A			2.8	V
Collector output capacitance	C _{ob}	V _{CB} =10V,I _E =0,f=0.1MHz			200	pF



Typical Characterisitics

MJD122

