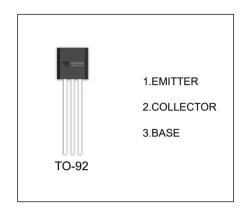


A44 TRANSISTOR (NPN)

FEATURES

High Breakdown Voltage



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity	
A44	TO-92	Bulk	1000pcs/Bag	
A44-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	400	V	
V _{CEO}	Collector-EmitterVoltage	400	V	
V _{EBO}	Emitter-Base Voltage		V	
Ic	Collector Current -Continuous	0.2	А	
I _{C M}	Collector Current -Pulsed	0.3	А	
Рc	Thermal Resistance from Junction to Ambient 200		mW	
R _{θJA}			°C /W	
T _J ,T _{stg}			°C	



$T_a \text{=} 25\, ^{\circ}\text{C}\,$ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =100μA,I _E =0	400			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =1mA,I _B =0	400			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =100μA,I _C =0	5			V
Collector cut-off current	I _{CBO}	V _{CB} =400V,I _E =0			0.1	μA
Collector cut-off current	I _{CEO}	V _{CE} =400V,I _B =0			5	μA
Emitter cut-off current	I _{EBO}	V _{EB} =4V,I _C =0			0.1	μA
	h _{FE(1)}	V _{CE} =10V, I _C =10mA	80		300	
DC current gain	h _{FE(2)}	V _{CE} =10V, I _C =1mA	70			
DC current gain	h _{FE(3)}	V _{CE} =10V, I _C =100mA	40			
	h _{FE(4)}	V _{CE} =10V, I _C =50mA	80			
0-11-4	V _{CE(sat)(1)}	I _C =10mA,I _B =1mA			0.2	V
Collector-emitter saturation voltage	V _{CE(sat)(2)}	I _C =50mA,I _B =5mA			0.3	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =10mA,I _B =1mA			0.75	V
Transition frequency	f _T	V _{CE} =20V, I _C =10mA,f=30MHz	50			MHz

CLASSIFICATION OF h_{FE(1)}

	RANK	Α	В	С
ľ	RANGE	80-100	100-200	200-300



