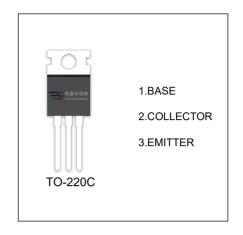


2SC4544 TRANSISTOR (NPN)

FEATURES

- High voltage: V (BR) CEO = 300 V
- Small collector output capacitance: C_{ob} = 3.0 pF (typ.)
- Collector metal (fin) is fully covered with mold resin.



MAXIMUM RATINGS (Ta=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit	
V _{CBO}	Collector-Base Voltage	300	V	
V _{CEO}	Collector-Emitter Voltage	300	V	
V _{EBO}	Emitter-Base Voltage	7	V	
Ic	Collector Current -Continuous	0.1	Α	
Pc	Collector Power Dissipation	2	W	
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55-150	°C	

ELECTRICAL CHARACTERISTICS (Ta=25°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	300			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =10mA,I _B =0	300			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =100μA,I _C =0	7			V
Collector cut-off current	I _{CBO}	V _{CB} =240V,I _E =0			1.0	μA
Emitter cut-off current	I _{EBO}	V _{EB} =7V,I _C =0			1.0	μA
DO comment and a	h _{FE(1)}	V _{CE} =10V,I _C =4mA	20			
DC current gain	h _{FE(2)}	V _{CE} =10V,I _C =20mA	30		200	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =10mA, I _B =1mA			1.0	٧
Base-emitter saturation voltage	V _{BE(sat)}	I _C =10mA, I _B =1mA			1.0	V
Transition frequency	f _T	V _{CE} =10V,I _C =20mA	50	70		MHz
Collector output capacitance	C _{ob}	V _{CB} =20V,I _E =0,f=1MHz		3.0		pF



