

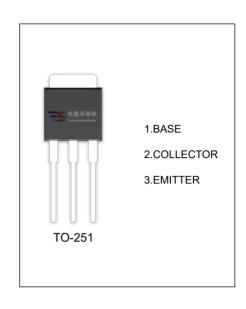
3DA752 TRA NSISTOR (NPN)

FEATURES

Power Dissipation

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

Symbol	Parameter	Value	Unit	
V _{CBO}	Collector-Base Voltage	40	V	
V _{CEO}	Collector-Emitter Voltage	30	V	
V _{EBO}	Emitter-Base Voltage	5	V	
Ic	Collector Current -Continuous	2	А	
Pc	Collector power dissipation	1.2	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	40			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =10mA,I _B =0	30			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =1mA,I _C =0	5			V
Collector cut-off current	I _{CBO}	V _{CB} =40V,I _E =0			0.1	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =5V,I _C =0			0.1	μΑ
DC current gain	h _{FE}	V _{CE} =2V,I _C =500mA	100		400	
Collector emitter esturation valtage	V _{CE(sat)1}	I _C =2A,I _B =0.2A			0.8	V
Collector-emitter saturation voltage	V _{CE(sat)2}	I _C =1.5A,I _B =30mA			2	V
Transition frequency	f _T	V _{CE} =5V,I _C =500mA		120		MHz
Collector output capacitance	C _{ob}	V _{CB} =10V,I _E =0,f=1MHz		13		pF

CLASSIFICATION OF hFE

Rank	0	Υ	G
Range	100-200	160-320	200-400