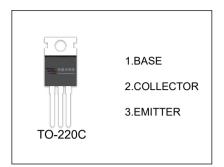


TIP41/41A/41B/41C TRAN

TRANSISTOR (NPN)

FEATURES

Medium Power Linear Switching Applications



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

Symbol	Parameter	TIP41	TIP41A	TIP41B	TIP41C	Unit
V _{CBO}	Collector-Base Voltage	40	60	80	100	V
V _{CEO}	Collector-Emitter Voltage	40	60	80	100	V
V _{EBO}	Emitter-Base Voltage		V			
Ic	Collector Current -Continuous		Α			
Pc	Collector Power Dissipation		W			
R _{OJA}	Thermal Resistance From Junction To Ambient		°C/W			
T _J ,T _{stg}	Operation Junction and Storage Temperature Range		$^{\circ}$			

ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

Parameter		Symbol	Test conditions	Min	Max	Unit
Collector-base breakdown voltage TIP41 TIP4 1A		.,		40 60		.,
	TIP41B TIP41C	V(BR)CBO	I _C = 1mA, I _E =0	80 100		V
Collector-emitter breakdown voltage TIP41 TIP41A		V _{CEO(sus)}	I _C = 30mA, I _B =0	40 60		V
	TIP41B TIP41C	3 = 3(= = = 7)	- , 5	80 100		
Emitter-base breakdown voltage		V(BR)EBO	I_E = 1mA, I_C =0	5		V
Collector cut-off current	TIP41 TIP4 1A TIP41B TIP41C	І _{СВО}	V_{CB} =40V, I_{E} =0 V_{CB} =60V, I_{E} =0 V_{CB} =80V, I_{E} =0 V_{CB} =100V, I_{E} =0		0.4	mA
	TIP41/41A IP41B/41C	I _{CEO}	V _{CE} = 30V, I _B = 0 V _{CE} = 60V, I _B = 0		0.7	mA
Emitter cut-off current		I _{EBO}	V _{EB} =5V, I _C =0		1	mA
DC current gain		h _{FE(1)}	V _{CE} = 4V, I _C = 0.3A	30		
		h _{FE(2)}	V _{CE} =4 V, I _C = 3A	15	75	
Collector-emitter saturation voltage		V _{CE(sat)}	I _C =6A, I _B =0.6A		1.5	V
Base-emitter voltage		V _{BE(on)}	V _{CE} = 4V, I _C =6A		2	V
Transition frequency		f _T	V _{CE} =10V , I _C =0.5A f=1MHz	3		MHz



