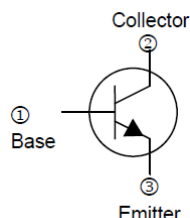
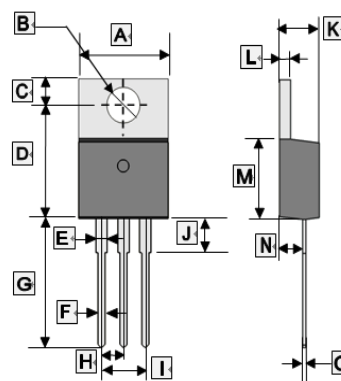


RoHS Compliant Product
A suffix of "-C" specifies halogen and lead free

FEATURES

- Medium Power Linear Switching Applications

TO-220J



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	10.010	10.350	I	4.980	5.180
B	3.735	3.935	J	3.560	3.960
C	2.590	2.890	K	4.470	4.670
D	12.060	12.460	L	1.200	1.400
E	1.170	1.370	M	8.500	8.900
F	0.710	0.910	N	2.520	2.820
G	13.400	13.800	Q	0.330	0.650
H	2.540 TYP.				

ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Ratings		Unit
		TIP41	TIP41C	
Collector - Base Voltage	V _{CBO}	40	100	V
Collector - Emitter Voltage	V _{CEO}	40	100	V
Emitter - Base Voltage	V _{EBO}	5		V
Collector Current -Continuous	I _C	6		A
Collector Power Dissipation	P _C	2		W
Junction, Storage Temperature	T _J , T _{STG}	150, -55~150		°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector - Base Breakdown Voltage	TIP41	40	-	-	V	I _C =1mA, I _E =0
	TIP41C	100	-	-		
Collector - Emitter Breakdown Voltage	TIP41	40	-	-	V	I _C =30mA, I _B =0
	TIP41C	100	-	-		
Emitter - Base Breakdown Voltage	V _{(BR)EBO}	5	-	-	V	I _E =1mA, I _C =0
Collector Cut - Off Current	TIP41	400	-	-	µA	V _{CB} =40V, I _E =0
	TIP41C					V _{CB} =100V, I _E =0
Collector Cut-Off Current	TIP41	0.7	-	-	mA	V _{CE} =30V, I _B =0
	TIP41C					V _{CE} =60V, I _B =0
Emitter Cut-Off Current	I _{EBO}	-	-	1	mA	V _{EB} =5V, I _C =0
DC Current Gain	h _{FE}	30	-	-		V _{CE} =4V, I _C =0.3A
		15	-	75		V _{CE} =4V, I _C =3A
Collector - Emitter Saturation Voltage	V _{CE(sat)}	-	-	1.5	V	I _C =6A, I _B =0.6A
Base - Emitter Voltage	V _{BE}	-	-	2	V	V _{CE} =4V, I _C =6A
Transition Frequency	f _T	3	-	-	MHz	V _{CE} =10V, I _C =0.5A, f=1MHz

RATINGS AND CHARACTERISTIC CURVES

