

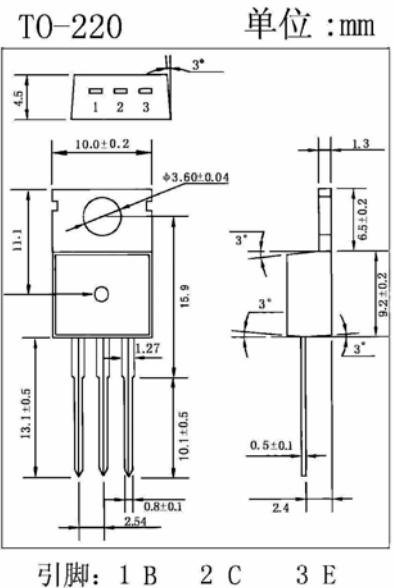


Purpose: Medium power linear switching applications.

Features: Complement to TIP42(3CA42).

Absolute maximum ratings(Ta=25°C)

参数符号 Symbol		数值 Rating	单位 Unit	参数符号 Symbol	数值 Rating	单位 Unit
V _{CE0}	TIP41	40	V	V _{EB0}	5.0	V
	TIP41A	60	V	I _C	6.0	A
	TIP41B	80	V	I _{CP}	10	A
	TIP41C	100	V	I _B	2.0	A
V _{CEO}	TIP41	40	V	P _C	2.0	W
	TIP41A	60	V	P _C (T _c =25°C)	65	W
	TIP41B	80	V	T _j	150	°C
	TIP41C	100	V	T _{sag}	-55~150	°C



Electrical characteristics(Ta=25°C)

参数符号 Symbol		测试条件 Test condition		数值 Rating			单位 Unit
				最小值 Min	典型值 Typ	最大值 Max	
V _{CEO}	TIP41	I _C =30mA I _B =0		40			V
	TIP41A			60			
	TIP41B			80			
	TIP41C			100			
I _{CEO}	TIP41/TIP41A	V _{CE} =30V I _B =0				0.7	mA
	TIP41B/TIP41C	V _{CE} =60V I _B =0					
I _{CES}	TIP41	V _{CE} =40V V _{EB} =0				400	μ A
	TIP41A	V _{CE} =60V V _{EB} =0					
	TIP41B	V _{CE} =80V V _{EB} =0					
	TIP41C	V _{CE} =100V V _{EB} =0					
I _{EB0}		V _{EB} =5.0V I _C =0				1.0	mA
h _{FE(1)}		V _{CE} =4.0V I _C =3.0A		15		75	
h _{FE(2)}		V _{CE} =4.0V I _C =0.3A		30			
V _{CE(sat)}		I _C =6.0A I _B =0.6A				1.5	V
V _{BE}		I _C =6.0A V _{CE} =4.0V				2.0	V
f _T		V _{CE} =10V I _C =500mA		3.0			MHz