

UTC TIP32C PNP EXPITAXIAL PLANAR TRANSISTOR

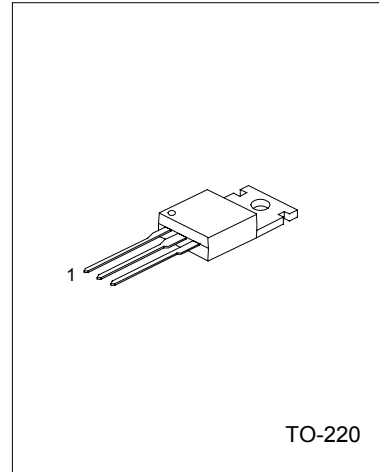
PNP EXPITAXIAL PLANAR TRANSISTOR

DESCRIPTION

The UTC TIP32C is a PNP expitaxial planar transistor, designed for using in general purpose amplifier and switching applications.

FEATURE

*Complement to tip31C



1:BASE 2:COLLECTOR 3:EMITTER

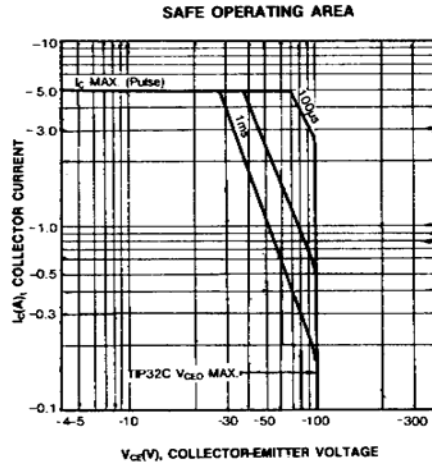
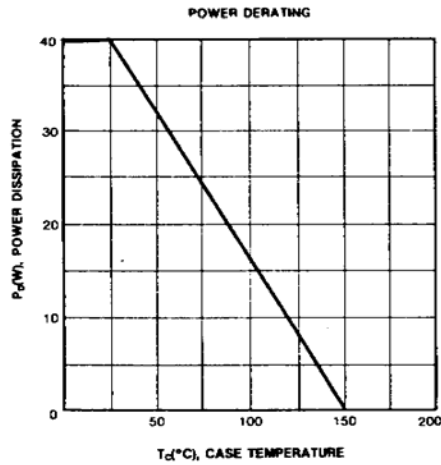
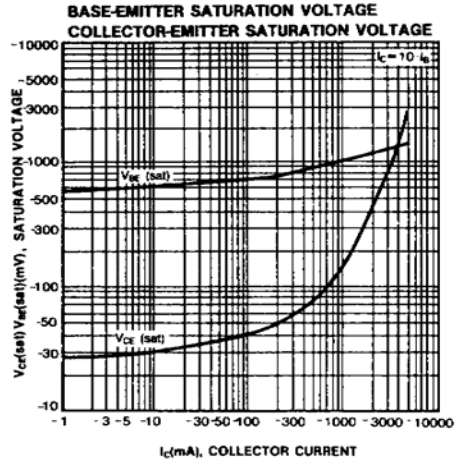
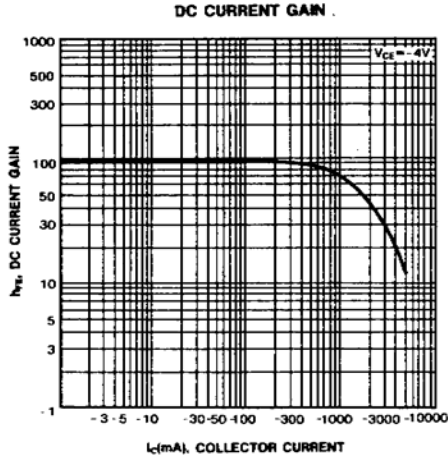
ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
Collector Base Voltage	V _{CBO}	-100	V
Collector to Emitter Voltage	V _{CEO}	-100	V
Emitter To Base Voltage	V _{EBO}	-5	V
Collector Current(DC)	I _c	-3	A
Collector Current(Pulse)	I _c	-5	A
Base Current	I _B	-1	A
Collector Dissipation(T _c =25°C)	P _c	40	W
Collector Dissipation(T _a =25°C)	P _c	2	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-65 ~ +150	°C

ELECTRICAL CHARACTERISTICS(T_c=25°C)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector emitter Sustaining voltage(*)	BV _{CEO}	I _c =-30mA, I _B =0	-100			V
Collector Cutoff Current	I _{CEs}	V _{CE} =-100V, V _{EB} =0			-200	μA
Collector Cutoff Current	I _{CEO}	V _{CE} =-60V, I _B =0			-0.3	mA
Emitter Cutoff current	I _{EBO}	V _{BE} =-5V, I _c =0			-1	mA
Collector-Emitter saturation Voltage(*)	V _{CE(sat)}	I _c =-3A, I _B =-375mA			-1.2	V
Base-Emitter On voltage(*)	V _{BE(on)}	I _c =-3A, V _{CE} =-4A			-1.8	V
DC Current Gain(*)	h _{FE1}	I _c =-1A, V _{CE} =-4V	25			
		I _c =-3A, V _{CE} =-4V	10		50	
Current Gain Bandwidth Product	f _T	I _c =-0.5A, V _{CE} =-10V f=1MHz	3			MHz

*Pulse Test: PW<=300μs, Duty Cyle<=2%



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