

UTC TIP32C PNP EXPITAXIAL PLANAR TRANSISTOR

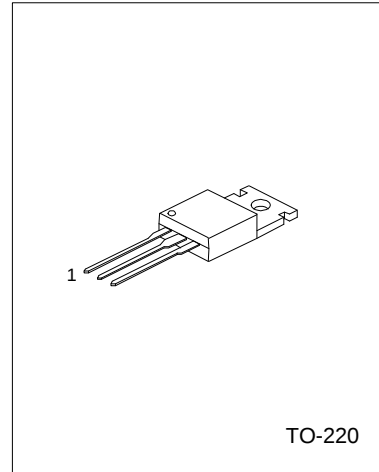
PNP EXPITAXIAL PLANAR TRANSISTOR

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($T_C=25^{\circ}C$)	P_C	40	W
Collector Dissipation($T_a=25^{\circ}C$)	P_C	2	W
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature	T_{stg}	-65 ~ +150	$^{\circ}C$

ELECTRICAL CHARACTERISTICS($T_C=25^{\circ}C$)

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}	$I_C=-1A, V_{CE}=-4V$ $I_C=-3A, V_{CE}=-4V$	25 10		50	
Current Gain Bandwidth Product	f_T	$I_C=-0.5A, V_{CE}=-10V$ $f=1MHz$	3			MHz

*Pulse Test: $PW \leq 300\mu s$, Duty Cycle $\leq 2\%$

