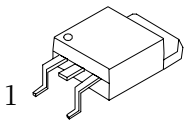
TIP32C

PNP EPITAXIAL SILICON TRANSISTOR

PNP EXPITAXIAL PLANAR TRANSISTOR



TO -252

*Pb-free plating product number: TIP32CL

■ DESCRIPTION

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

■ FEATURES

*Complement to TIP31C

■ PIN CONFIGURATION

PIN NO.	PIN NAME
1	BASE
2	COLLECTOR
3	EMITTER

■ ORDERING INFORMATION

Order Number		Package	Packing
Normal	Lead free		
TIP32C-TN3-R	TIP32CL-TN3-R	TO-252	Tape Reel
TIP32C-TN3-T	TIP32CL-TN3-T	TO-252	Tube

■ ABSOLUATE MAXIUM RATINGS (Ta = 25℃)

PARAMETER		SYMBOL	RATINGS	UNIT
Collector-Base Voltage		V_{CBO}	-100	V
Emitter-Base Voltage		V_{EBO}	-5	V
Collector Current	DC	I_C	-3	A
	PULSE	I_{CM}	-5	A
Base Current		I_B	-1	A
Power Dissipation	Tc=25	P_D	40	W
	Ta=25		2	W
Junction Temperature		T_J	+150	℃
Storage Temperature		T_{STG}	-40 ~ +150	℃

■ ELECTRICAL CHARACTERISTICS (Ta= 25℃, unless otherwise specified.)

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_{BE}=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, Ic=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_{FE}	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<=300μs, Duty Cyle<=2%

■ TYPICAL CHARACTERICS