

UTC TIP110A PNP EXPITAXIAL PLANAR TRANSISTOR

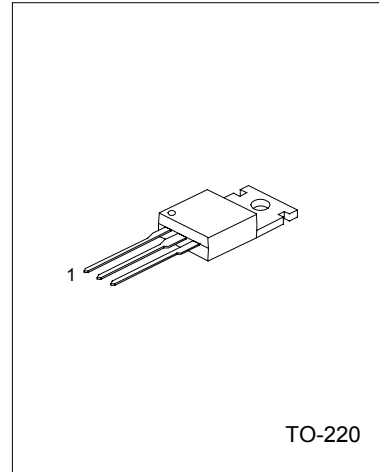
LOW SATURATION VOLTAGE PNP DARLINGTON TRANSISTOR

DESCRIPTION

The UTC TIP110A is designed for using in general purpose amplifier and switching applications.

FEATURE

- *Low VCE(sat)
- *High current gain



1:BASE 2:COLLECTOR 3:EMITTER

MAXIMUM RATINGS(Ta=25°C)

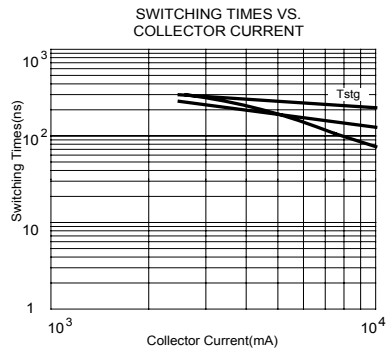
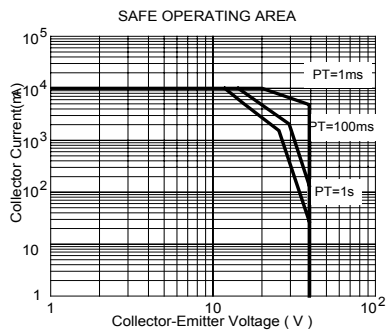
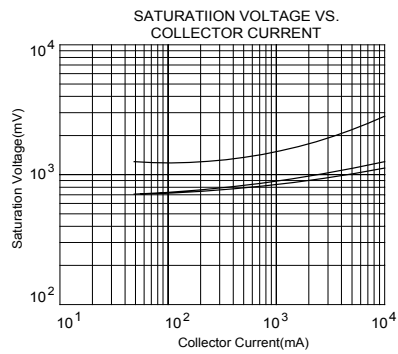
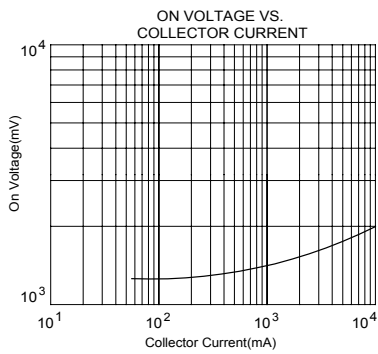
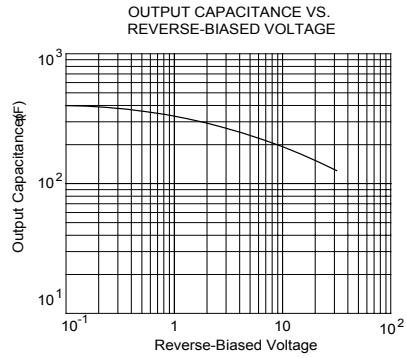
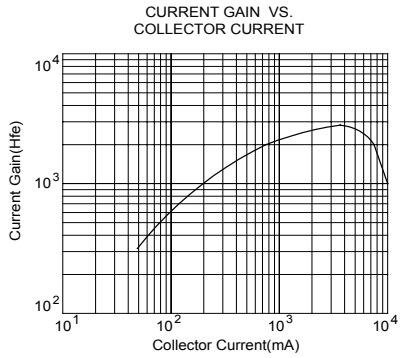
CHARACTERISTICS	SYMBOL	VALUE	UNITS
Collector Base Voltage	V _{CB0}	40	V
Collector to Emitter Voltage	V _{CEO}	30	V
Emitter To base Voltage	V _{EB0}	5	V
Collector Current	I _c	10	A
Junction Temperature	T _j	150(Max)	°C
Storage Temperature	T _{stg}	-55 ~ +150	°C
Total Power Dissipations	P _D	65	W

CHARACTERISTICS(Ta=25°C)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
BV _{CEO}	I _c =100mA	30			V
I _{CB0}	V _{CB} =40V			1	μA
I _{CEO}	V _{CE} =20V			1	μA
I _{EB0}	V _{EB} =5V			100	nA
V _{CE(SAT)}	I _c =10A, I _B =10mA			2.0	V
V _{BE(ON)}	I _c =5mA, V _{CE} =2.0V			2.0	V
h _{FE1}	I _c =500mA, V _{CE} =2.0V	2		60	K
h _{FE2}	I _c =10A, V _{CE} =2.0V	1	20	60	K

UTCTIP110A PNP EXPITAXIAL PLANAR TRANSISTOR

TYPICAL PERFORMANCE CHARACTERISTICS



UTC TIP110A PNP EXPITAXIAL PLANAR TRANSISTOR

UTC assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all UTC products described or contained herein. UTC products are not designed for use in life support appliances, devices or systems where malfunction of these products can be reasonably expected to result in personal injury. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice.