

# UTC TIP110A PNP EXPITAXIAL PLANAR TRANSISTOR

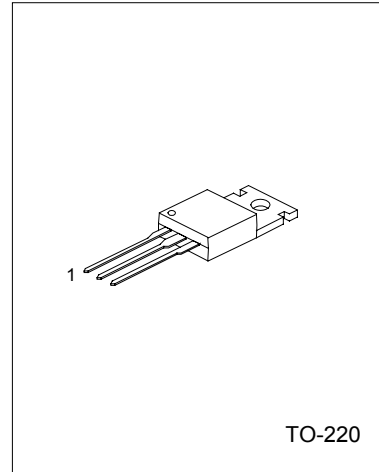
## LOW SATURATION VOLTAGE PNP DARLINGTON TRANSISTOR

### 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)

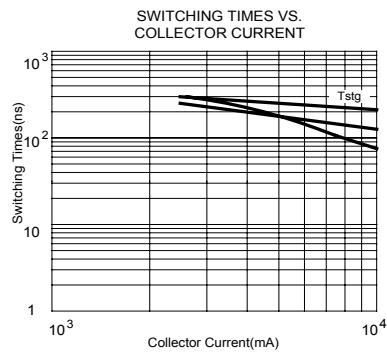
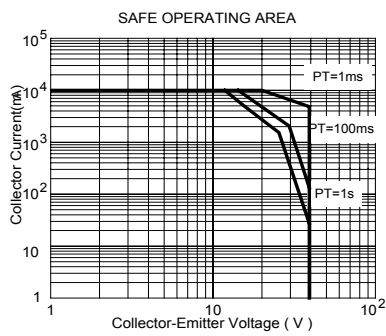
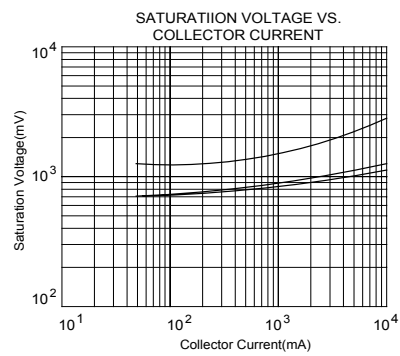
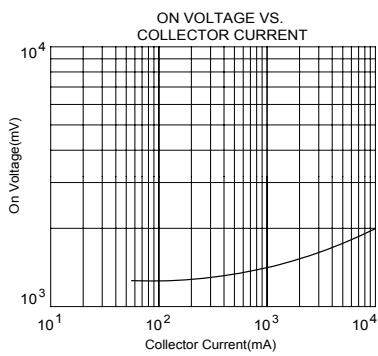
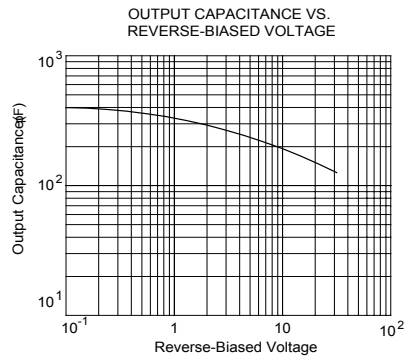
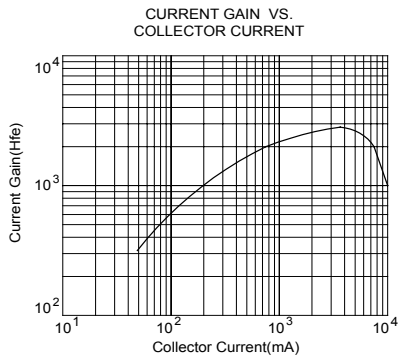
CHARACTERISTICS	SYMBOL	VALUE	UNITS
Collector Base Voltage	V <sub>CB0</sub>	40	V
Collector to Emitter Voltage	V <sub>CEO</sub>	30	V
Emitter To base Voltage	V <sub>EB0</sub>	5	V
Collector Current	I <sub>c</sub>	10	A
Junction Temperature	T <sub>j</sub>	150(Max)	°C
Storage Temperature	T <sub>stg</sub>	-55 ~ +150	°C
Total Power Dissipations	P <sub>D</sub>	65	W

### CHARACTERISTICS(Ta=25°C)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
BV <sub>CEO</sub>	I <sub>c</sub> =100mA	30			V
I <sub>CB0</sub>	V <sub>CB</sub> =40V			1	μA
I <sub>CEO</sub>	V <sub>CE</sub> =20V			1	μA
I <sub>EB0</sub>	V <sub>EB</sub> =5V			100	nA
V <sub>CE(SAT)</sub>	I <sub>c</sub> =10A, I <sub>B</sub> =10mA			2.0	V
V <sub>BE(ON)</sub>	I <sub>c</sub> =5mA, V <sub>CE</sub> =2.0V			2.0	V
h <sub>FE1</sub>	I <sub>c</sub> =500mA, V <sub>CE</sub> =2.0V	2		60	K
h <sub>FE2</sub>	I <sub>c</sub> =10A, V <sub>CE</sub> =2.0V	1	20	60	K

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## TYPICAL PERFORMANCE CHARACTERISTICS



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