

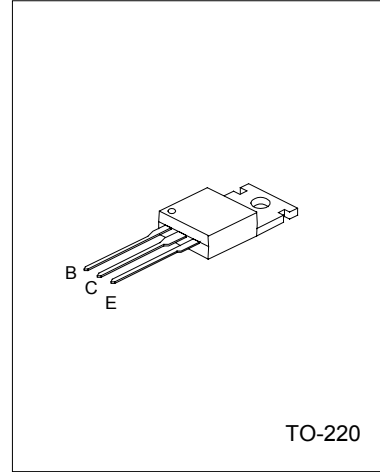
## UTC TIP127

## PNP EPITAXIAL PLANAR TRANSISTOR

### PNP EPITAXIAL TRANSISTOR

#### DESCRIPTION

The UTC TIP127 is a PNP epitaxial transistor, designed for use in general purpose amplifier low-speed switching applications.



#### ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	VALUE	UNIT
Storage Temperature	Ts	-55 ~ +150	°C
Junction Temperature	Tj	150	°C
Total Power Dissipation	Pd	65	W
Collector to Base Voltage	V <sub>CBO</sub>	100	V
Collector to Emitter Voltage	V <sub>CEO</sub>	100	V
Emitter to Base Voltage	V <sub>EBO</sub>	5	V
IC Collector Current		5	A

#### ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	I <sub>C</sub> =100mA	100			V
Collector Cut-Off Current	I <sub>CBO</sub>	V <sub>CB</sub> =100V			200	uA
Collector-Cut-Off Current	I <sub>CEO</sub>	V <sub>CE</sub> =50V			500	uA
Emitter Cut-Off Current	I <sub>EBO</sub>	V <sub>EB</sub> =5V			2	mA
Collector-Emitter Saturation Voltage	V <sub>CE(SAT)1</sub>	I <sub>C</sub> =3A, I <sub>B</sub> =12mA			2	V
Collector-Emitter Saturation Voltage	V <sub>CE(SAT)2</sub>	I <sub>C</sub> =5A, I <sub>B</sub> =20mA			4	V
Base-Emitter Saturation Voltage	V <sub>BE(ON)</sub>	V <sub>CE</sub> =3V, I <sub>C</sub> =3A			2.5	V
DC Current Gain	h <sub>FE</sub>	I <sub>C</sub> =500mA, V <sub>CE</sub> =3V I <sub>C</sub> =3A, V <sub>CE</sub> =3V	1			K

# UTC

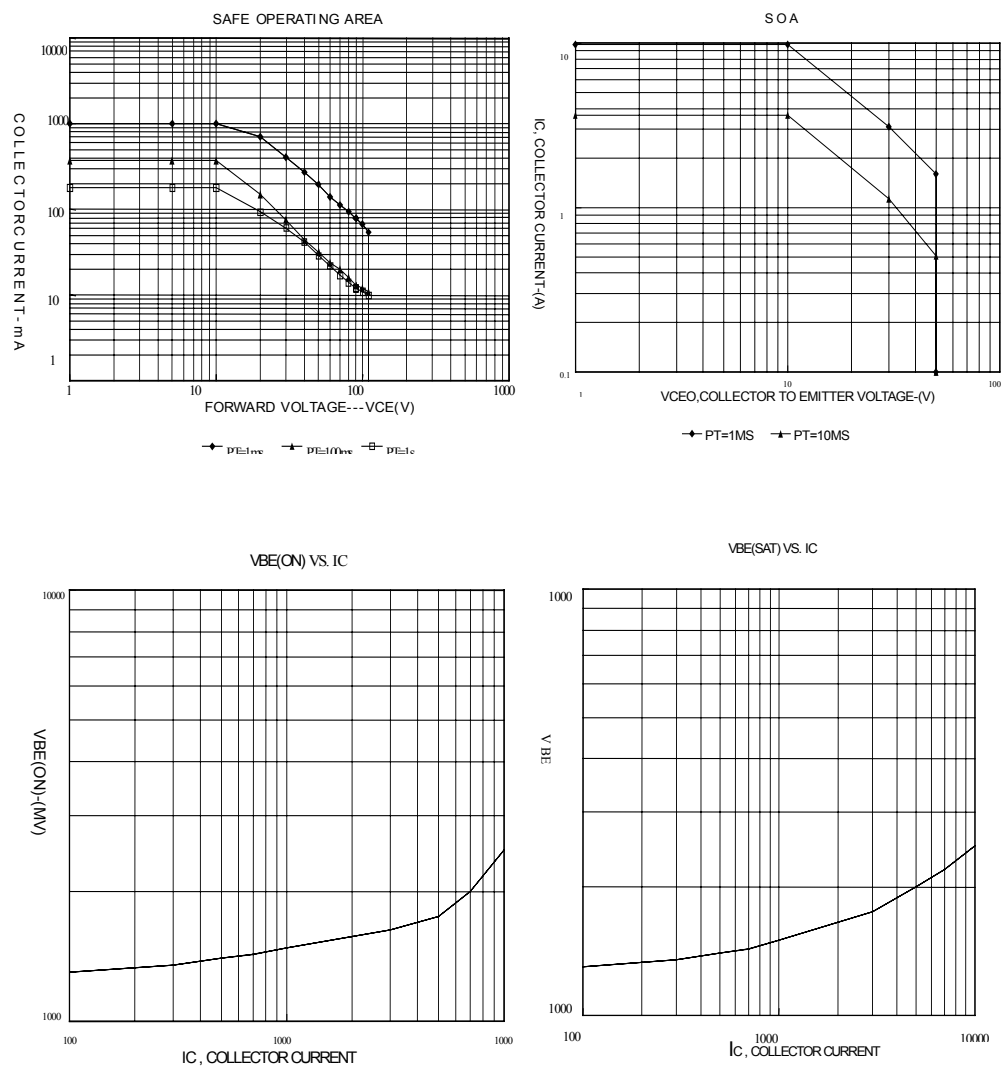
# UNISONIC TECHNOLOGIES CO., LTD.

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