



# گروه فنی مهندسی جوش و برش مقدم

اعتماد از شما کیفیت و تخصص از ما



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مشهد خیام شمالی 63 خیابان پردیس 3

برای کسب اطلاعات بیشتر بر روی لینک ها کلیک کنید

- 7 سال سابقه آموزش تعمیرات تخصصی دستگاه های جوش اینورتری تک فاز و 3 فاز
- 7 سال سابقه فروش قطعات الکترونیکی دستگاه جوش تک فاز و 3 فاز
- آموزش تخصصی تحلیل دستگاه های جوش اینورتری مختص ابراز فروشان
- آموزش تخصصی ابراز آلات شارژی



# S8550

## PNP SILICON TRANSISTOR

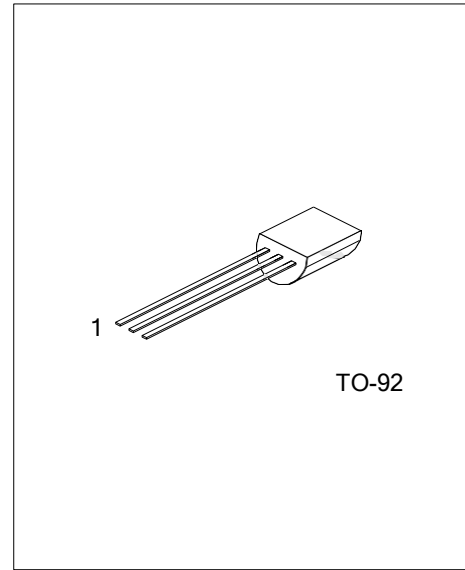
### LOW VOLTAGE HIGH CURRENT SMALL SIGNAL PNP TRANSISTOR

#### DESCRIPTION

The UTC **S8550** is a low voltage high current small signal PNP transistor, designed for Class B push-pull audio amplifier and general purpose applications.

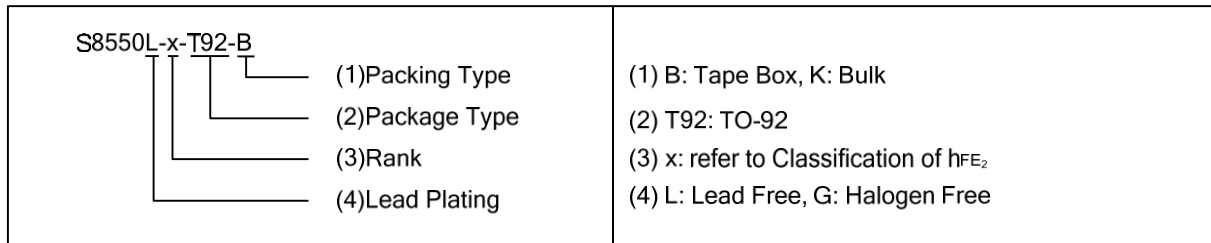
#### FEATURES

- \* Collector current up to 700mA
- \* Collector-Emitter voltage up to 20 V
- \* Complementary to UTC S8050

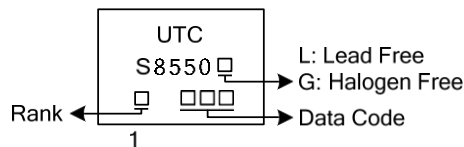


#### ORDERING INFORMATION

Order Number		Package	Pin Assignment			Packing
Lead Free Plating	Halogen Free		1	2	3	
S8550L-x-T92-B	S8550G-x-T92-B	TO-92	E	B	C	Tape Box
S8550L-x-T92-K	S8550G-x-T92-K	TO-92	E	B	C	Bulk



#### MARKING



■ **ABSOLUTE MAXIMUM RATING** ( $T_A=25^\circ\text{C}$ , unless otherwise specified.)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	$V_{CBO}$	-30	V
Collector-Emitter Voltage	$V_{CEO}$	-20	V
Emitter-Base Voltage	$V_{EBO}$	-5	V
Collector Current	$I_C$	-700	mA
Collector Dissipation ( $T_A=25^\circ\text{C}$ )	$P_C$	1	W
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature	$T_{STG}$	-65 ~ +150	$^\circ\text{C}$

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

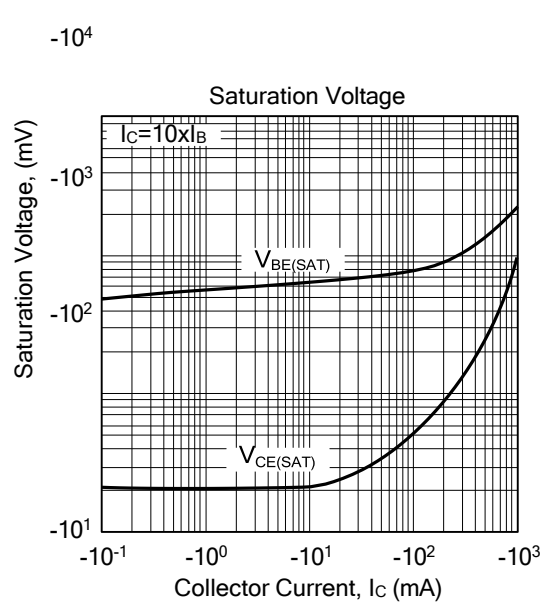
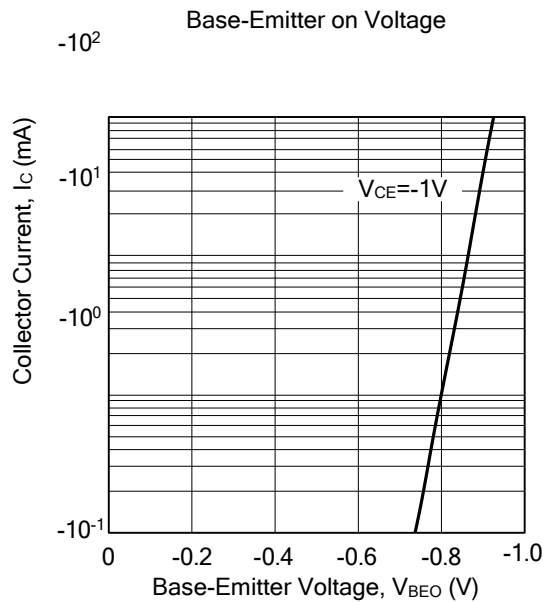
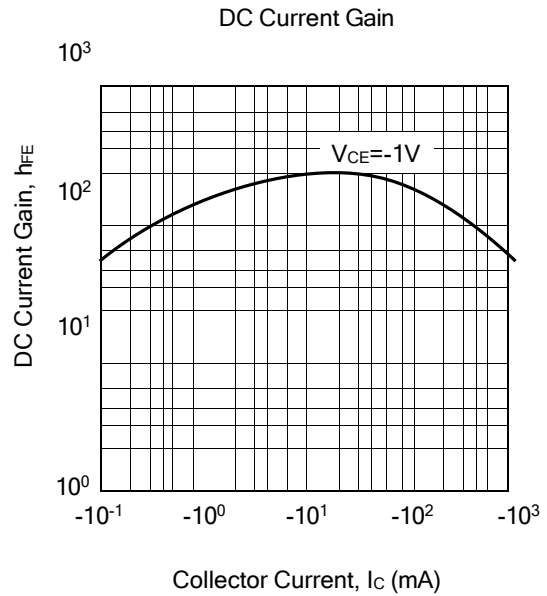
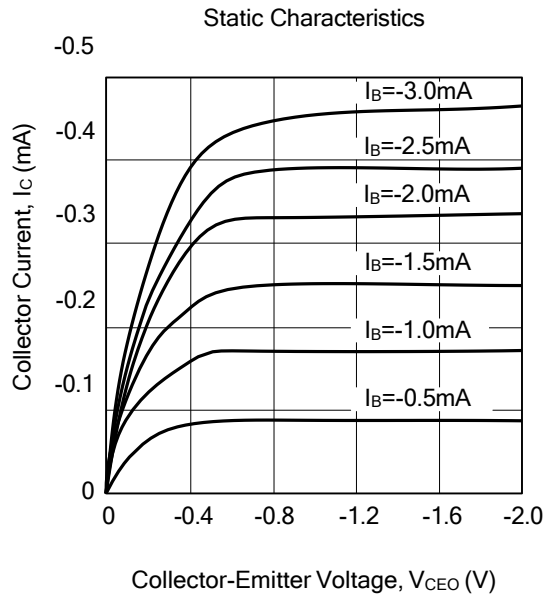
■ **ELECTRICAL CHARACTERISTICS** ( $T_A=25^\circ\text{C}$ , unless otherwise specified.)

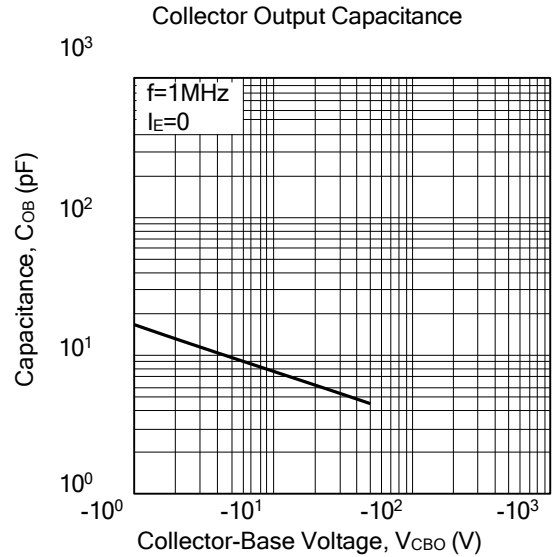
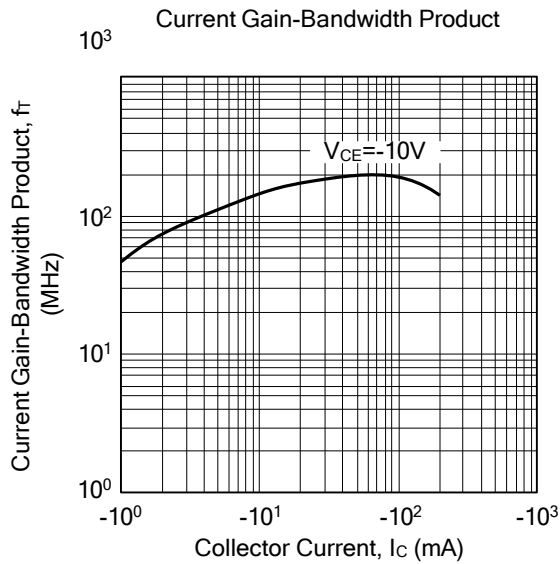
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector-Base Breakdown Voltage	$BV_{CBO}$	$I_C = -100\mu\text{A}, I_E = 0$	-30			V
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	$I_C = -1\text{mA}, I_B = 0$	-20			V
Emitter-Base Breakdown Voltage	$BV_{EBO}$	$I_E = -100\mu\text{A}, I_C = 0$	-5			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB} = -30\text{V}, I_E = 0$			-1	$\mu\text{A}$
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB} = -5\text{V}, I_C = 0$			-100	nA
DC Current Gain	$h_{FE1}$	$V_{CE} = -1\text{V}, I_C = -1\text{mA}$	100			
	$h_{FE2}$	$V_{CE} = -1\text{V}, I_C = -150\text{mA}$	120		400	
	$h_{FE3}$	$V_{CE} = -1\text{V}, I_C = -500\text{mA}$	40			
Collector-Emitter Saturation Voltage	$V_{CE(SAT)}$	$I_C = -500\text{mA}, I_B = -50\text{mA}$			-0.5	V
Base-Emitter Saturation Voltage	$V_{BE(SAT)}$	$I_C = 500\text{mA}, I_B = -50\text{mA}$			-1.2	V
Base-Emitter Saturation Voltage	$V_{BE}$	$V_{CE} = -1\text{V}, I_C = -10\text{mA}$			-1.0	V
Current Gain Bandwidth Product	$f_T$	$V_{CE} = -10\text{V}, I_C = -50\text{mA}$	100			MHz
Output Capacitance	$C_{ob}$	$V_{CB} = 10\text{V}, I_E = 0, f = 1\text{MHz}$		9.0		pF

■ **CLASSIFICATION OF  $h_{FE2}$**

RANK	C	D	E
RANGE	120-200	160-300	280-400

■ TYPICAL CHARACTERISTICS





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