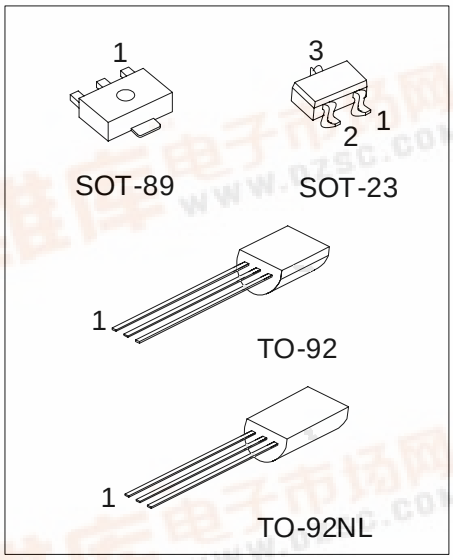
查询HE8550-X-T9N-R供应商 捷多邦，专业PCB打样工厂，24小时加急出货

HE8550

PNP SILICON TRANSISTOR

LOW VOLTAGE HIGH CURRENT SMALL SIGNAL PNP TRANSISTOR



*Pb-free plating product number: HE8550L

■ DESCRIPTION

The UTC **HE8550** is a low voltage high current small signal PNP transistor, designed for Class B push-pull 2W audio amplifier for portable radio and general purpose applications.

■ FEATURES

* Collector current up to 1.5A
* Collector-Emitter voltage up to 25 V
* Complimentary to UTC **HE8050**

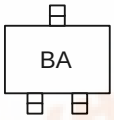
■ ORDERING INFORMATION

Order Number		Package	Pin Assignment			Packing
Normal	Lead Free Plating		1	2	3	
HE8550-x-AB3-R	HE8550L-x-AB3-R	SOT-89	B	C	E	Tape Reel
HE8550-x-AE3-R	HE8550L-x-AE3-R	SOT-23	E	B	C	Tape Reel
HE8550-x-T92-B	HE8550L-x-T92-B	TO-92	E	C	B	Tape Box
HE8550-x-T92-K	HE8550L-x-T92-K	TO-92	E	C	B	Bulk
HE8550-x-T9N-B	HE8550L-x-T9N-B	TO-92NL	E	C	B	Tape Box
HE8550-x-T9N-K	HE8550L-x-T9N-K	TO-92NL	E	C	B	Bulk
HE8550-x-T9N-R	HE8550L-x-T9N-R	TO-92NL	E	C	B	Tape Reel

HE8550L-x-AE3-R
(1)Packing Type
(2)Package Type
(3)Rank
(4)Lead Plating

(1) B: Tape Box, K: Bulk, R: Tape Reel
(2) AB3: SOT-89, AE3: SOT-23, T92: TO-92, T9N: TO-92NL
(3) x: refer to Classification of h_{FE2}
(4) L: Lead Free Plating, Blank: Pb/Sn

■ MARKING(For SOT-23 Package)



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■ ABSOLUTE MAXIMUM RATING (Ta=25℃, unless otherwise specified)

PARAMETER		SYMBOL	RATINGS	UNIT
Collector-Base Voltage		V_{CBO}	-40	V
Collector-Emitter Voltage		V_{CEO}	-25	V
Emitter-Base Voltage		V_{EBO}	-6	V
Collector Dissipation (Ta=25℃)	SOT-23	P_C	350	mW
	SOT-89		0.5	W
	TO-92/TO-92NL		1	W
Collector Current		I_C	-1.5	A
Junction Temperature		T_J	+150	℃
Operating Ambient Temperature		T_{OPR}	-40 ~ +150	℃
Storage Temperature		T_{STG}	-65 ~ +150	℃

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 (Ta=25℃, unless otherwise specified)

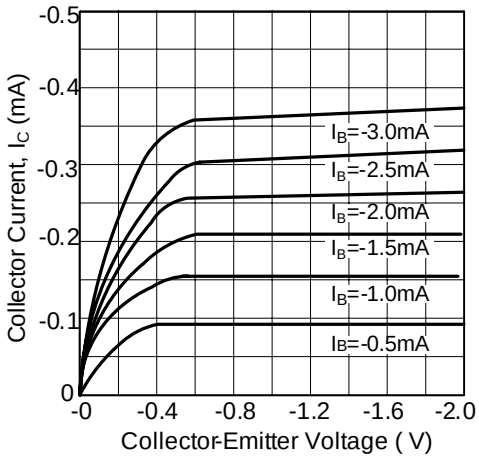
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector-Base Breakdown Voltage	BV_{CBO}	I_C=-100μA, I_E=0	-40			V
Collector-Emitter Breakdown Voltage	BV_{CEO}	I_C=-2mA, I_B=0	-25			V
Emitter-Base Breakdown Voltage	BV_{EBO}	I_E=-100μA, I_C=0	-6			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-35V, I_E=0			-100	nA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-6V, I_C=0			-100	nA
DC Current Gain	h_{FE1}	V_{CE}=-1V, I_C=-5mA	45	170		
	h_{FE2}	V_{CE}=-1V, I_C=-100mA	85	160	500	
	h_{FE3}	V_{CE}=-1V, I_C=-800mA	40	80		
Collector-Emitter Saturation Voltage	$V_{CE(SAT)}$	I_C=-800mA, I_B=-80mA		-0.28	-0.5	V
Base-Emitter Saturation Voltage	$V_{BE(SAT)}$	I_C=-800mA, I_B=-80mA		-0.98	-1.2	V
Base-Emitter Voltage	V_{BE}	V_{CE}=-1V,I_C=-10mA		-0.66	-1.0	V
Current Gain Bandwidth Product	f_T	V_{CE}=-10V,I_C=-50mA	100	190		MHz
Output Capacitance	C_{ob}	V_{CB}=-10V, I_E=0 f=1MHz		9.0		pF

■ CLASSIFICATION OF h_{FE2}

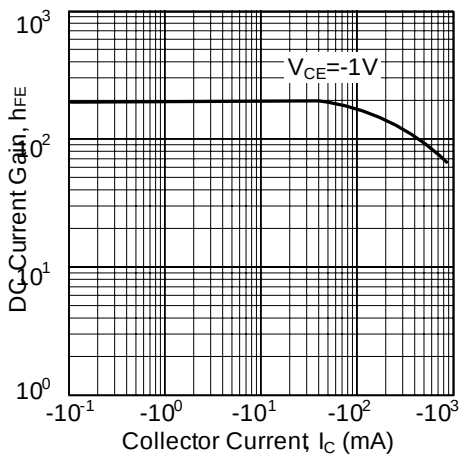
RANK	C	D	E
RANGE	120-200	160-300	250-500

■ TYPICAL CHARACTERISTICS

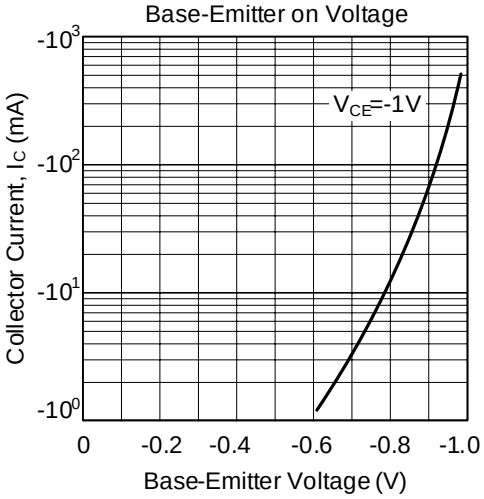
Static Characteristics



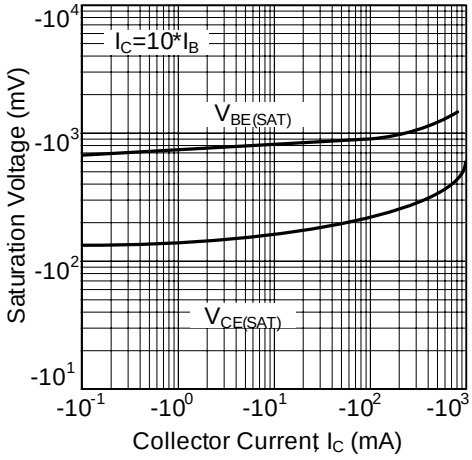
DC Current Gain



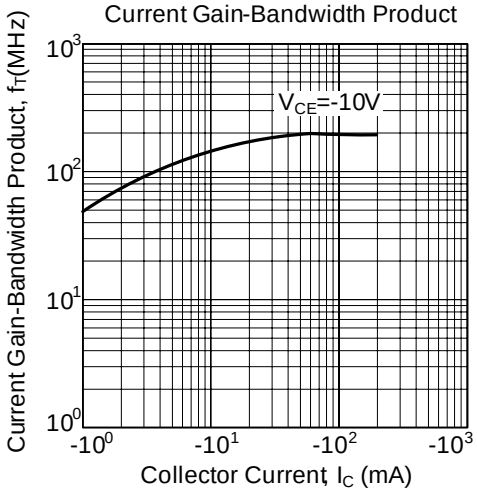
Base-Emitter on Voltage



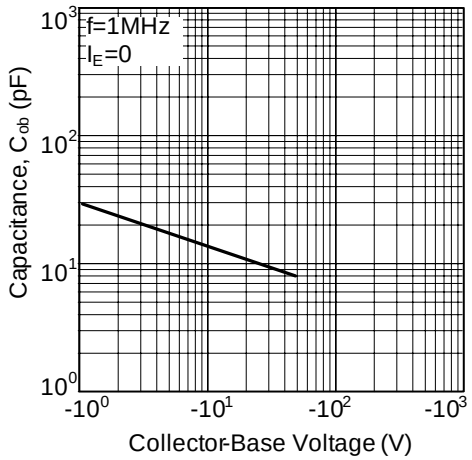
Saturation Voltage



Current Gain-Bandwidth Product



Collector Output Capacitance



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