UNISONIC TECHNOLOGIES CO., LTD

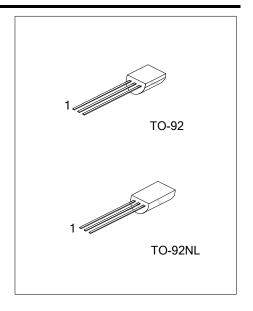
2SB562

PNP EPITAXIAL SILICON TRANSISTOR

LOW FREQUENCY POWER AMPLIFIER

FEATURES

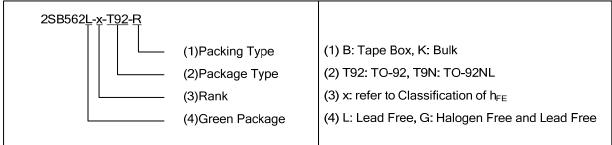
- * Low frequency power amplifier
- * Complement to 2SD468



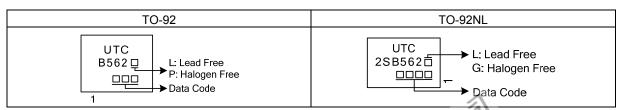
ORDERING INFORMATION

Order Number		Daakaga	Pin Assignment			Dooking	
Lead Free	Halogen Free	Package	1	2	3	Packing	
2SB562L-x-T92-B	2SB562G-x-T92-B	TO-92	E	C	В	Tape Box	
2SB562L-x-T92-K	2SB562G-x-T92-K	TO-92	E	C	В	Bulk	
2SB562L-x-T9N-B	2SB562G-x-T9N-B	TO-92NL	E	C	В	Tape Box	
2SB562L-x-T9N-K	2SB562G-x-T9N-K	TO-92NL	E	С	В	Bulk	

Note: Pin Assignment: E: Emitter C: Collector B: Base



MARKING



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ABSOLUTE MAXIMUM RATING (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	V_{CBO}	-25	V
Collector-Emitter Voltage	V_{CEO}	-20	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	Ic	-1	Α
Collector Peak Current	I _C (peak)	-1.5	Α
Collector Power Dissipation	Pc	0.9	W
Junction Temperature	T _J	150	°C
Storage Temperature	T _{STG}	-55 ~ +150	°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°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector to Base Breakdown Voltage	V _{(BR)CBO}	I _C =-10μA, I _E =0	-25			V
Collector to Emitter Breakdown Voltage	V _{(BR)CEO}	I _C =-1mA, R _{BE} =∞	-20			V
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	I _E =-10μA, I _C =0	-5			V
Collector Cut-Off Current	I _{CBO}	V _{CB} =-20V, I _E =0			-1	μA
DC Current Transfer Ratio	h _{FE}	V_{CE} =-2V, I_{C} =-0.5A (note)	85		240	
Collector to Emitter Saturation Voltage	V _{CE(sat)}	I _C =-0.8A, I _B =-0.08A (note)		-0.2	-0.5	V
Base to Emitter Voltage	V_{BE}	V_{CE} =-2V, I_{C} =-0.5A (note)		-0.8	-1.0	V
Gain Bandwidth Product	f _T	V_{CE} =-2V, I_{C} =-0.5A (note)		350		MHz
Collector Output Capacitance	Cob	V _{CB} =-10V, I _E =0, f=1MHz		38		pF

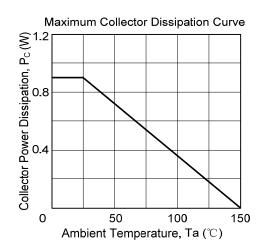
Note 1: Pulse test

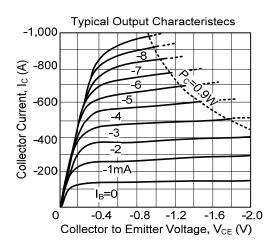
CLASSIFICATION OF HFE

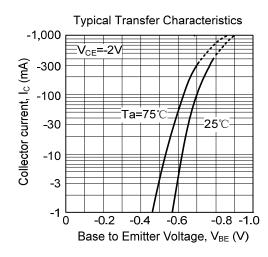
RANK	В	С
RANGE	85 - 170	120 - 240

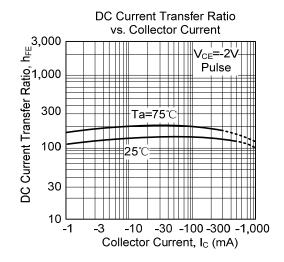


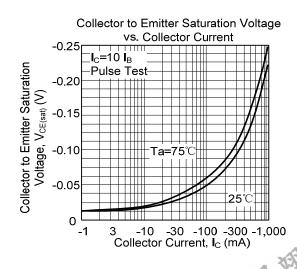
■ TYPICAL CHARACTERISTICS

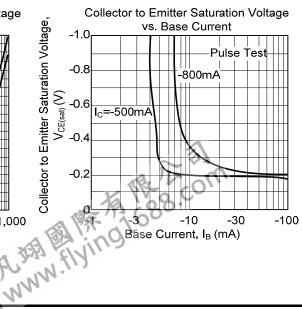




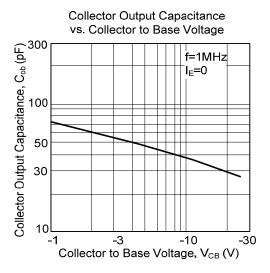








■ TYPICAL CHARACTERISTICS



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