FAIRCHILD

SEMICONDUCTOR®

KSA910

Driver Stage Of Audio Amplifier & High Voltage Switching Applications

- Collector-Emitter Voltage : V_{CEO}= -150V
 Output Capacitance : C_{ob}=5pF (MAX.)
 Complement to KSC2310



1. Emitter 2. Collector 3. Base

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_a=25°C unless otherwise noted

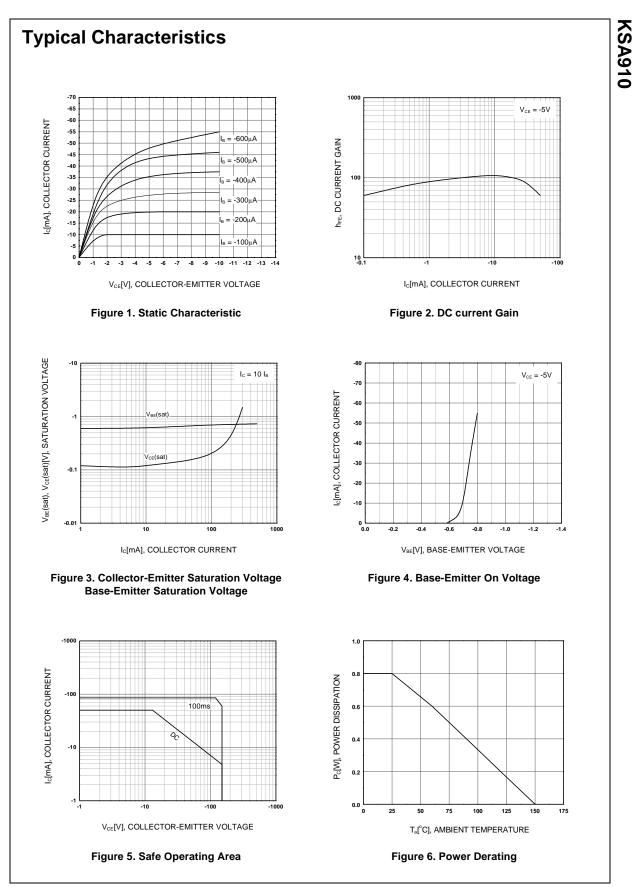
Symbol	Parameter	Ratings	Units
V _{CBO}	Collector-Base Voltage	-150	V
V _{CEO}	Collector-Emitter Voltage	-150	V
V _{EBO}	Emitter-Base Voltage	-5	V
l _C	Collector Current	-50	mA
P _C	Collector Power Dissipation	800	mW
ТJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

Electrical Characteristics T_a=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -100μA, I _E =0	-150			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -5mA, I _B =0	-150			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -10μΑ, I _C =0	-5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -150V, I _E =0			-100	nA
h _{FE}	DC Current Gain	V _{CE} = -5V, I _C = -10mA	40		240	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -10mA, I _B = -1mA			-0.8	V
f _T	Current Gain Bandwidth Product	V _{CE} = -30V, I _C = -10mA		100		MHz
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E =0, f=1MHz			5	pF

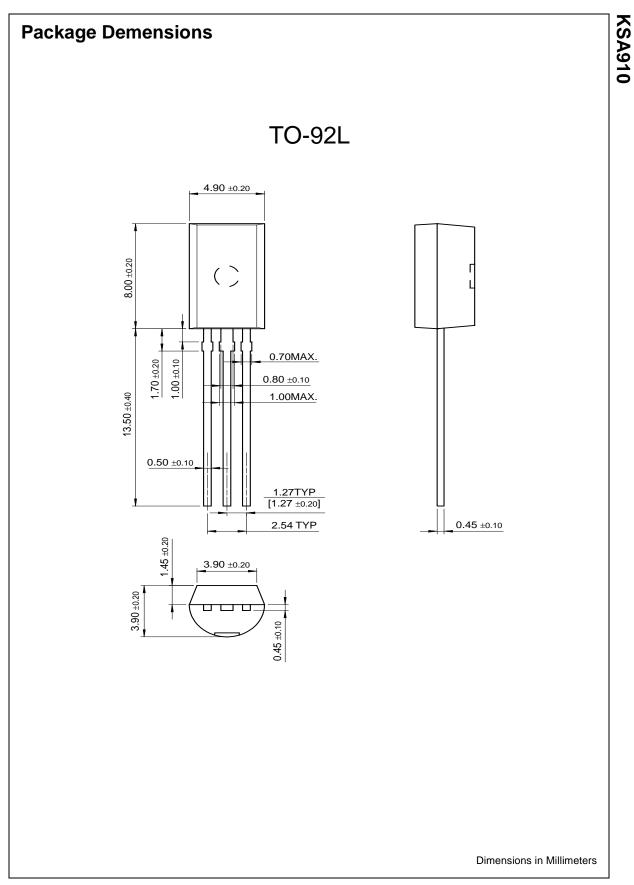
h_{FE} Classification

Classification	R	0	Y
h _{FE}	40 ~ 80	70 ~ 140	120 ~ 240



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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.

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New products Product selection and parametric search Cross-reference search	 Collector-Emitter Voltage : V_{CBO} = - :150V Output Capacitance : C_{ob} = 5 pF (MAX.) Complement to KSC2310 		Dotted line Design tools

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
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KSA910OBU	Full Production	\$0.075	TO-92	3	BULK
KSA910YTA	Full Production	\$0.075	TO-92	3	TAPE REEL
KSA910YBU	Full Production	\$0.075	TO-92	3	BULK

* 1,000 piece Budgetary Pricing

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