

SEMICONDUCTOR TM

KSA940

Vertical Deflection Output Power Amplifier

Complement to KSC2073



1.Base 2.Collector 3.Emitter

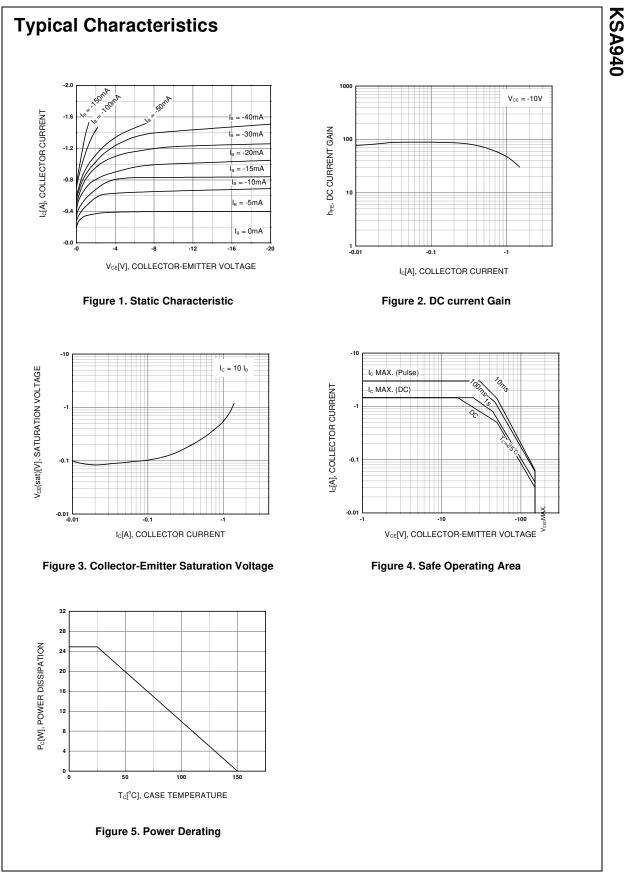
PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_{C}\text{=}25^{\circ}\text{C}$ 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
I _C	Collector Current	- 1.5	А
I _B	Base Current	- 0.5	А
P _C	Collector Dissipation (T _a =25°C)	1.5	W
P _C	Collector Dissipation (T _C =25°C)	25	W
ТJ	Junction Temperature	150	°C
Т _{STG}	Storage Temperature	- 55 ~ 150	°C

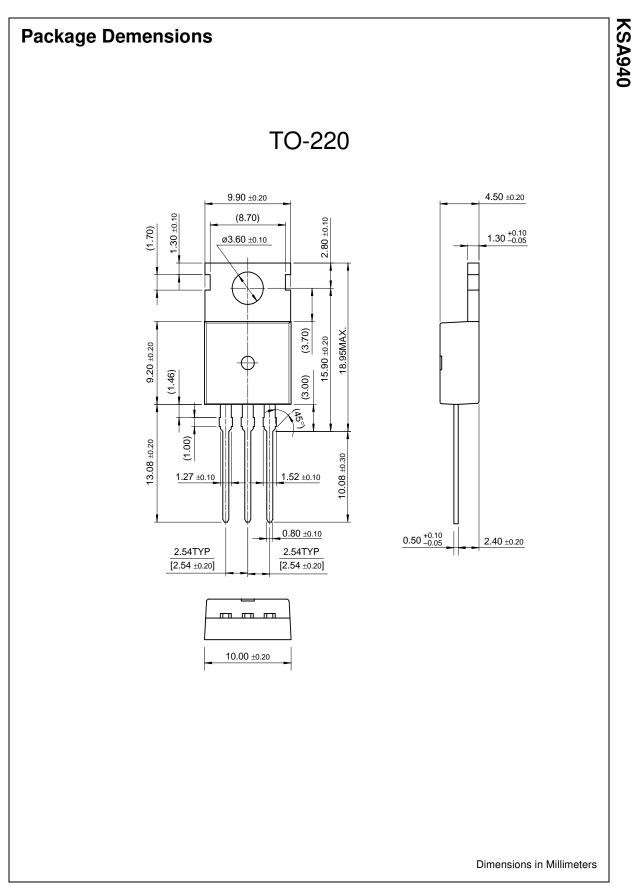
Electrical Characteristics $T_C=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	$V_{CB} = -120V, I_E = 0$			- 10	μA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$			- 10	μA
h _{FE}	DC Current Gain	V _{CE} = - 10V, I _C = - 500mA	40	75	140	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = - 500mA, I _B = - 50mA			- 1.5	V
V _{BE} (on)	Base-Emitter ON Voltage	V _{CE} = - 10V, I _C = - 500mA	- 0.65	- 0.75	- 0.85	V
f _T	Current Gain Bandwidth Product	V _{CE} = - 10V, I _C = - 500mA		4		MHz
C _{ob}	Output Capacitance	V _{CB} = - 10V, I _E = 0 f = 1MHz		55		pF



©2000 Fairchild Semiconductor International

Rev. A, February 2000



©2000 Fairchild Semiconductor International

TRADEMARKS

The following are registered and unregistered trademarks Fairchild Semiconductor owns or is authorized to use and is not intended to be an exhaustive list of all such trademarks.

ACEx[™] Bottomless[™] CoolFET[™] CROSSVOLT[™] E²CMOS[™] FACT[™] FACT Quiet Series[™] FAST[®] FAST[®] FASTr[™] GTO[™] HiSeC[™] ISOPLANAR[™] MICROWIRE[™] POP[™] PowerTrench[®] QFET[™] QS[™] Quiet Series[™] SuperSOT[™]-3 SuperSOT[™]-6

SuperSOT™-8 SyncFET™ TinyLogic™ UHC™ VCX™

DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF FAIRCHILD SEMICONDUCTOR INTERNATIONAL.

As used herein:

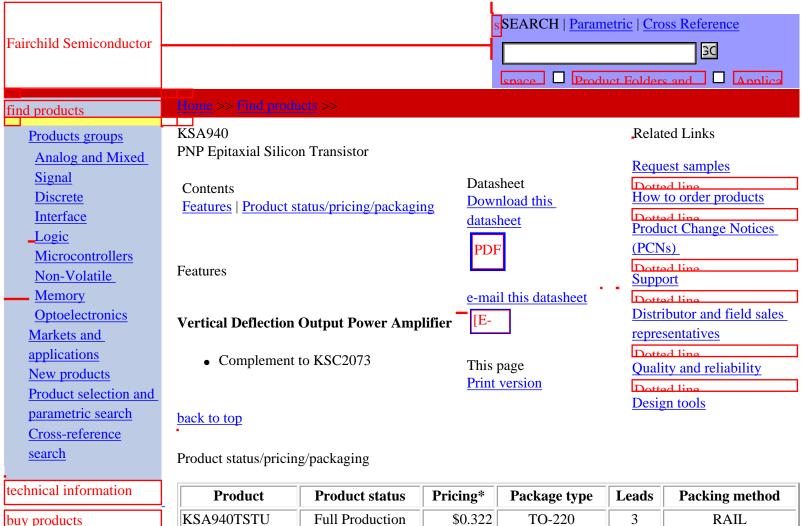
1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, or (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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.		



J J I	
technical	support

my Fairchild

company

Product	Product status	Pricing*	Package type	Leads	Packing method
KSA940TSTU	Full Production	\$0.322	TO-220	3	RAIL
 KSA940TU	Full Production	\$0.322	TO-220	3	RAIL
 KSA940H2	Full Production	\$0.323	TO-220	3	BULK
 KSA940	Full Production	\$0.323	TO-220	3	BULK
KSA940H1TU	Full Production	\$0.322	TO-220	3	RAIL
KSA940H2TU	Full Production	\$0.322	TO-220	3	RAIL

* 1,000 piece Budgetary Pricing

back to top

<u>Home</u> | <u>Find products</u> | <u>Technical information</u> | <u>Buy products</u> | <u>Support</u> | <u>Company</u> | <u>Contact us</u> | <u>Site index</u> | <u>Privacy policy</u>

© Copyright 2002 Fairchild Semiconductor