

KSA940

Vertical Deflection Output Power Amplifier

Complement to KSC2073



1.Base 2.Collector 3.Emitter

PNP Epitaxial Silicon Transistor

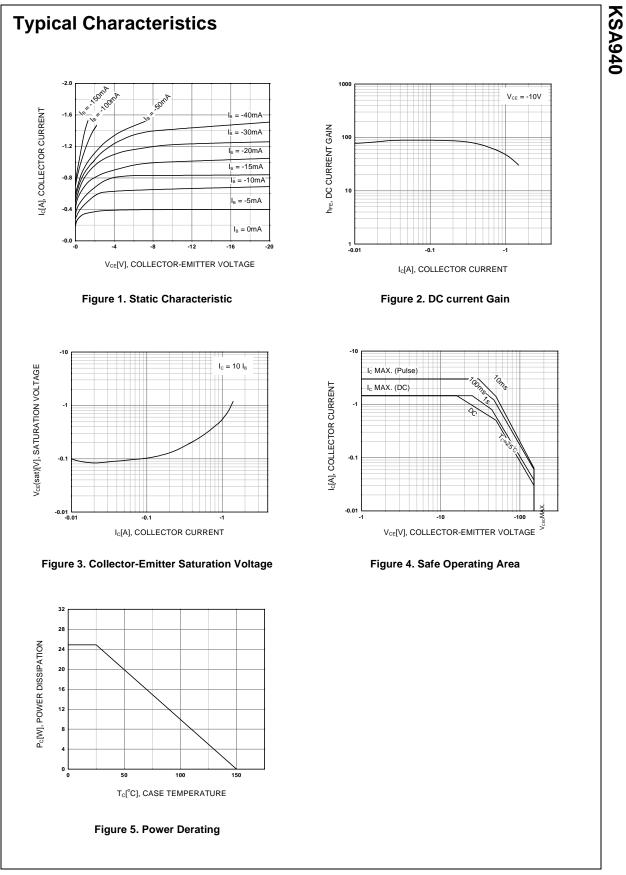
Absolute Maximum Ratings $T_C=25^{\circ}C$ unless otherwise noted

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	
TJ	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	- 55 ~ 150	°C	

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

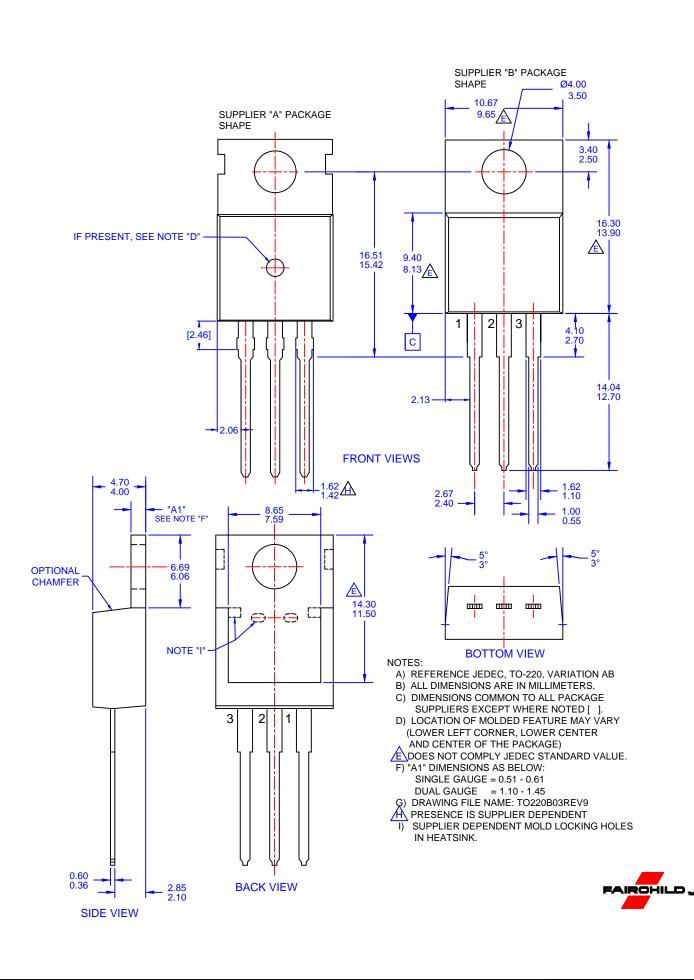
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	$V_{CB} = -120V, I_E = 0$			- 10	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} = - 5V, I _C = 0			- 10	μA
h _{FE}	DC Current Gain	V _{CE} = - 10V, I _C = - 500mA	40	75	140	
V _{CE} (sat)	Collector-Emitter Saturation 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

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