FAIRCHILD

SEMICONDUCTOR®

KSA1370

Crt Display, Video Output

High Voltage

Low Reverse Transfer Capacitance : C_{re}= 1.7pF



PNP Epitaxial Silicon Trnsistor

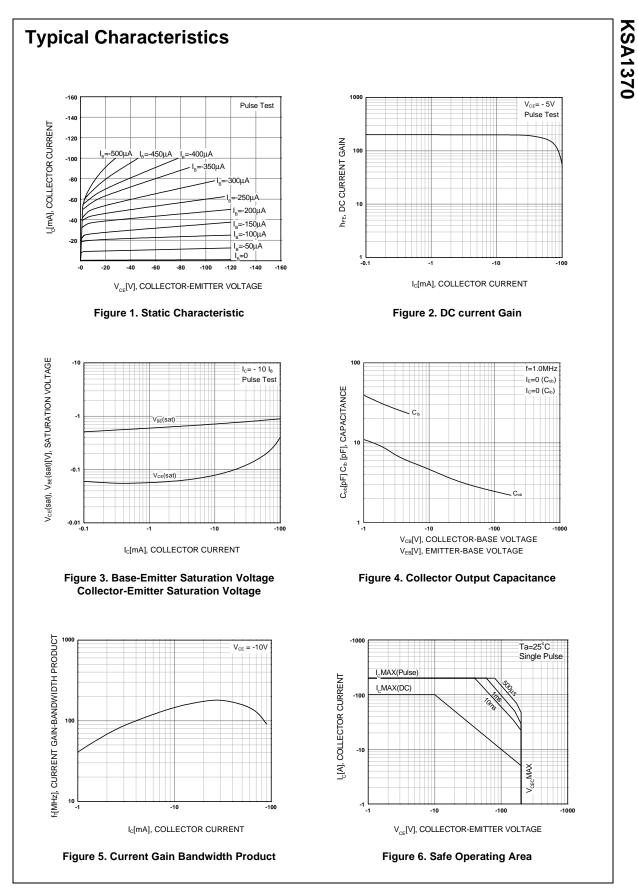
Absolute Maximum Ratings $T_a=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Ratings	Units	
V _{CBO}	Collector-Base Voltage	-200	V	
V _{CEO}	Collector-Emitter Voltage	-200	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
I _C	Collector Current (DC)	-100	mA	
I _{CP}	Collector Current (Pulse)	-200	mA	
P _C	Collector Power Dissipation	1.0	W	
TJ	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	-55 ~ 150	°C	

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

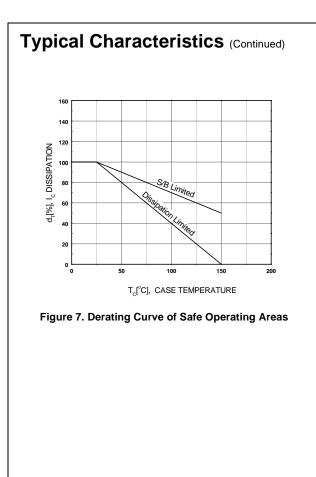
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -10μΑ, I _E =0	-200			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA, I _B =0	-200			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -10μΑ, I _C =0	-5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -150V, I _E =0			-0.1	μA
I _{EBO}	Emitter Cut-off Current	V _{EB} = -4V, I _C =0			-0.1	μA
h _{FE}	DC Current Gain	V _{CE} = -10V, I _C = -10mA	100		320	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -20mA, I _B = -2mA		-0.6	V	
V _{BE} (on)	Base-Emitter On Voltage	I _C = -20mA, I _B = -2mA -1.0		-1.0	V	
f _T	Current Gain Bandwidth Product	V _{CE} = -30V, I _C = -10mA		150		MHz
C _{ob}	Output Capacitance	V _{CB} = -30V, f=1MHz		2.6		pF
C _{re}	Reverse Transfer Capacitance	V _{CB} = -30V, f=1MHz		1.7		pF

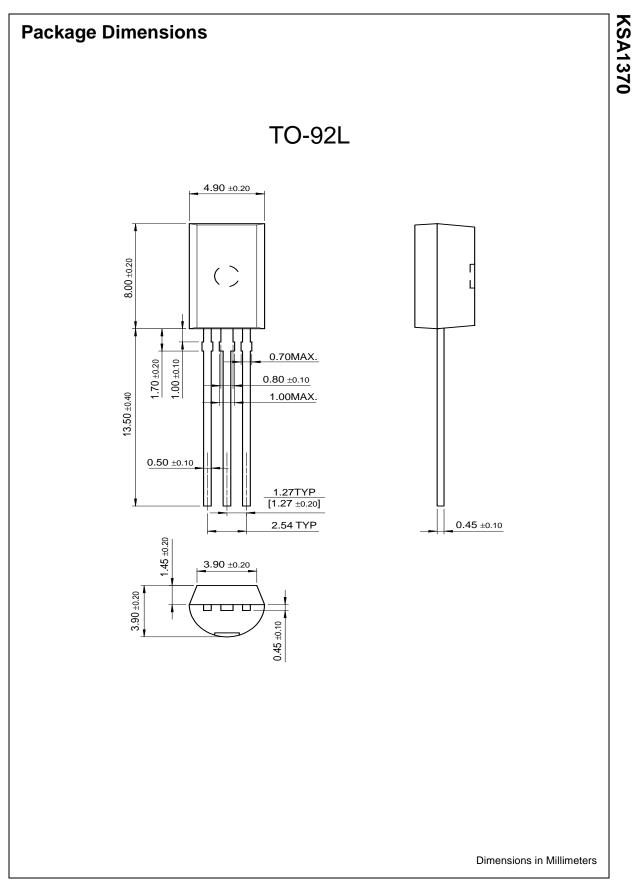
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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
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