

SEMICONDUCTOR TM

KSC2073

TV Vertical Deflection Output

- Complement to KSA940
- Collector-Base Voltage : V_{CBO} = 150V



1.Base 2.Collector 3.Emitter

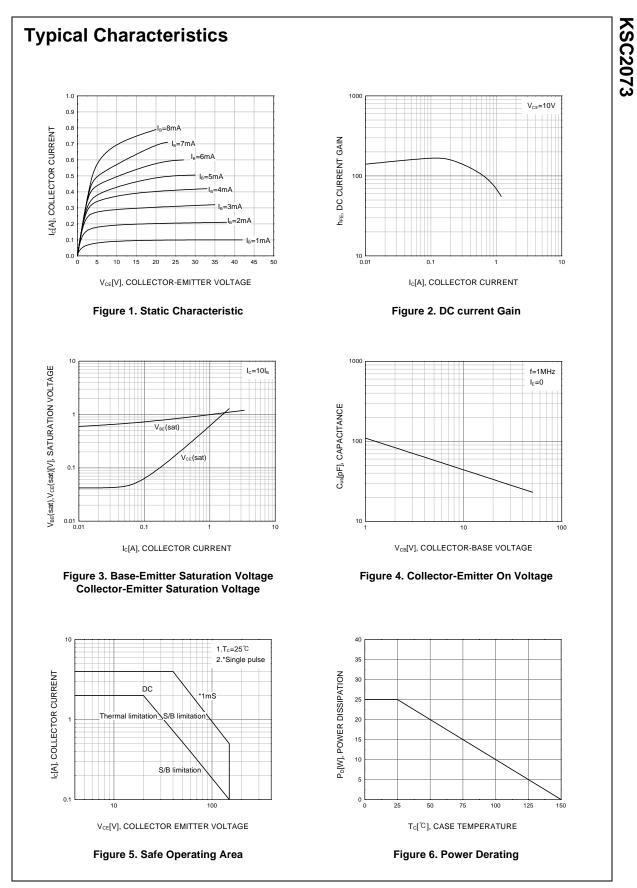
NPN Epitaxial Silicon Transistor

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

Symbol	Parameter	Value	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	
P _C	Collector Dissipation (T _C =25°C)	25	W	
TJ	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	- 55 ~ 150	°C	

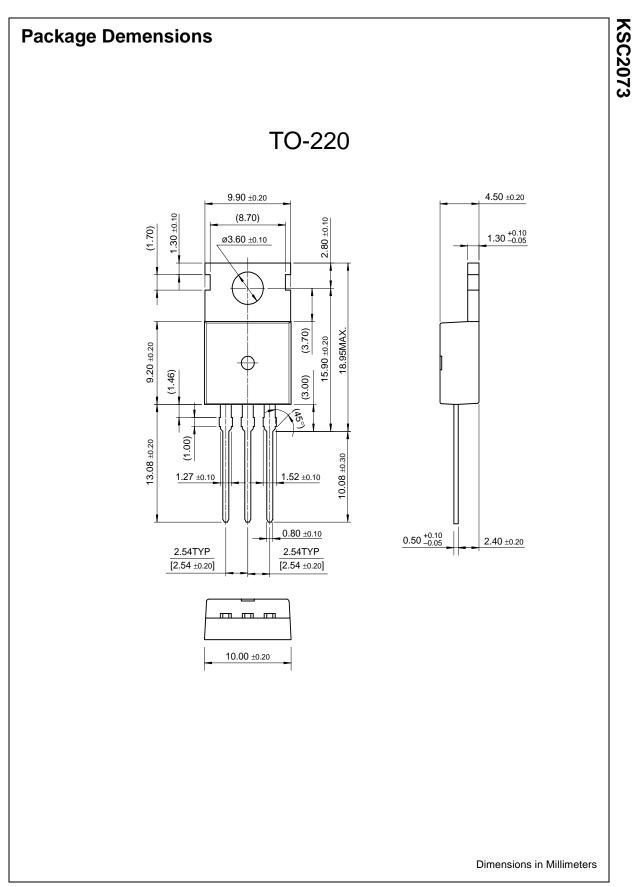
Electrical Characteristics $T_C=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
ΒV _{CBO}	Collector-Base Breakdown Voltage	$I_{C} = 500 \mu A, I_{E} = 0$	150			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = 10mA, I _B = 0	150			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = - 500μA, I _C = 0	5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = 120V, I _E = 0			10	μΑ
h _{FE}	DC Current Gain	V _{CE} = 10V, I _C = 0.5A	40	75	140	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 500mA, I _B = 50mA			1	V
f _T	Current Gain Bandwidth Product	V _{CE} = 10V, I _C = 0.5A		4		MHz
C _{ob}	Output Capacitance	$V_{CB} = 10V, I_E = 0$ f = 1MHz		50		pF



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