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KSC2073 NPN Epitaxial Silicon Transistor

Features

- TV Vertical Deflection Output
- Complement to KSA940
- Collector-Base Voltage : V_{CBO} = 150V



1.Base 2.Collector 3.Emitter

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
Ι _C	Collector Current	1.5	A
P _C	Collector Dissipation ($T_C = 25^{\circ}C$)	25	W
Τ _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 to 150	°C

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

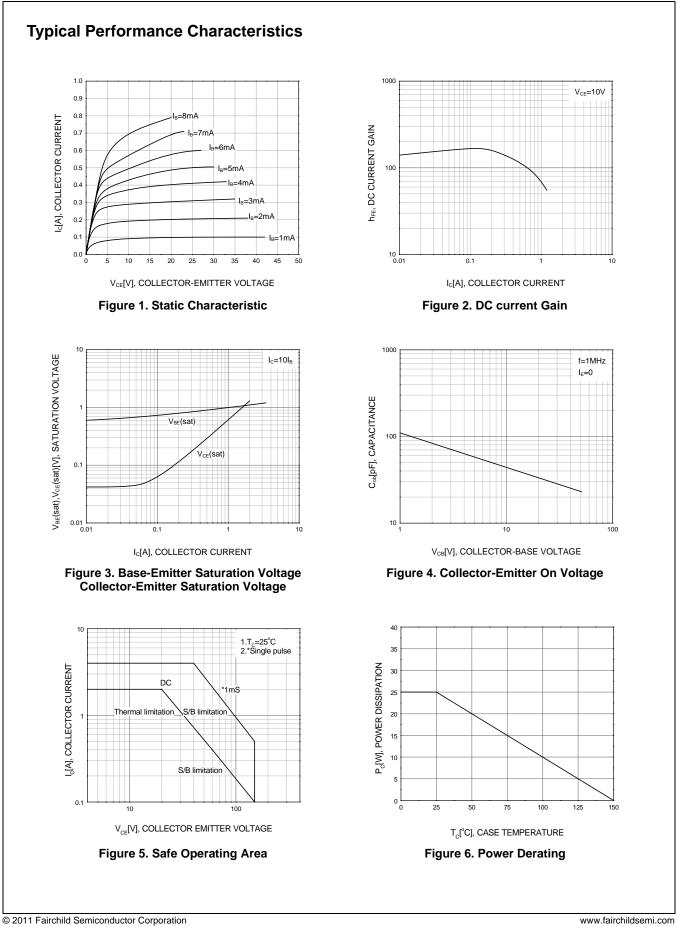
Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	$I_{C} = 500 \mu A, I_{E} = 0$	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

h_{FE} Classification

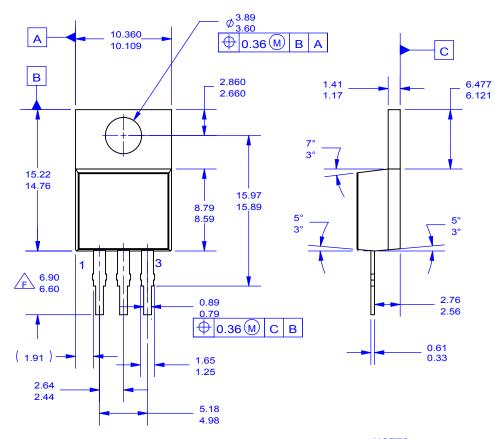
Classification	H1	H2
h _{FE}	40 ~ 80	60 ~ 125

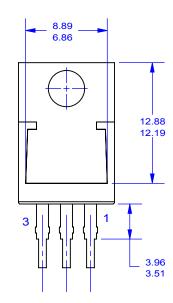
September 2011



KSC2073 — NPN Epitaxial Silicon Transistor

KSC2073 Rev. A1



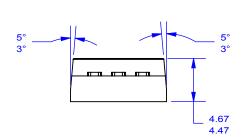


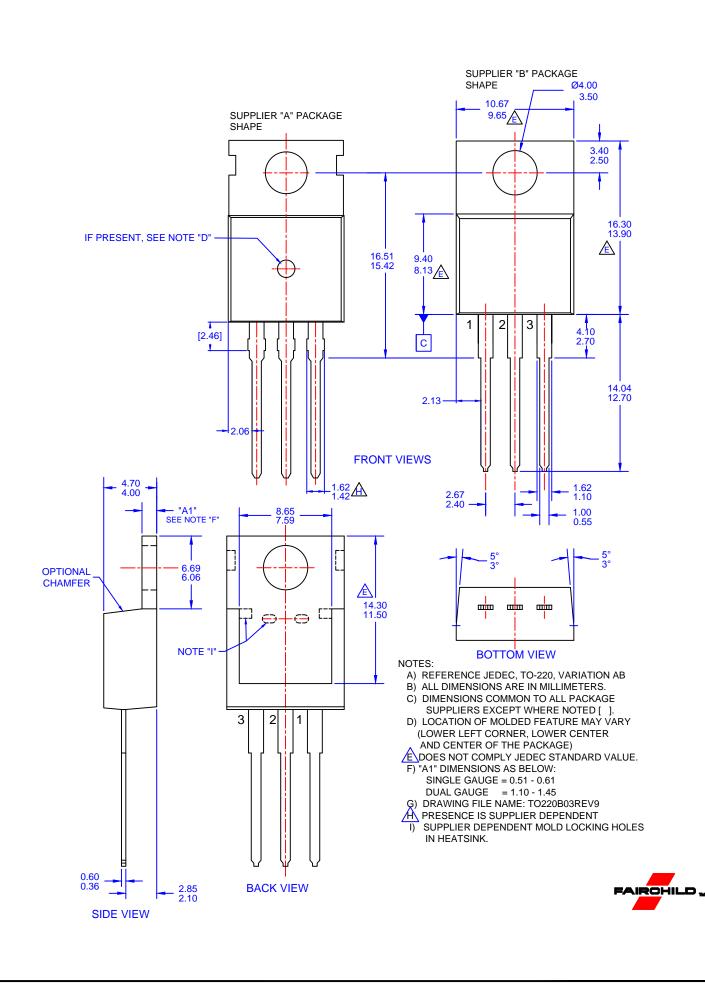


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