FAIRCHILD

SEMICONDUCTOR®

KSD401

TV Vertical Deflection Output

- Collector-Base Voltage : V_{CBO}=200V
 Collector Current : I_C=2A
- Collector Dissipation : P_C=25W(T_C=25°C)
- Complement to KSB546



1.Base 2.Collector 3.Emitter

NPN Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

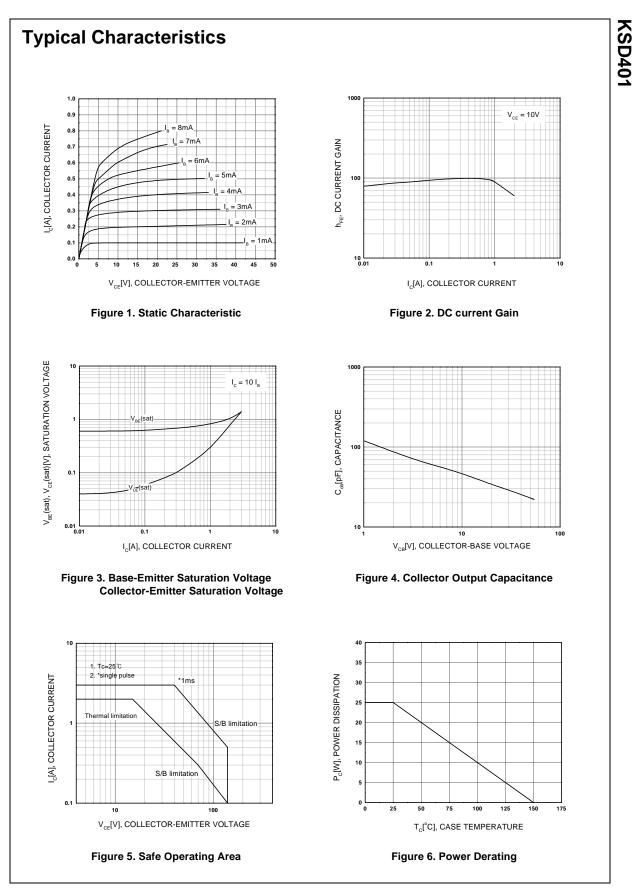
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	200	V
V _{CEO}	Collector-Emitter Voltage	150	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current	2	Α
P _C	Collector Dissipation (T _C =25°C)	25	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

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

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	$I_{\rm C} = 500 {\rm uA}, \ I_{\rm E} = 0$	200			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	$I_{\rm C} = 10 {\rm mA}, I_{\rm B} = 0$	150			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -500uA, I _C = 0	5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = 150V, I _E = 0			50	μΑ
h _{FE}	DC Current Gain	$V_{CE} = 10V, I_{C} = 0.4A$	120		400	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 500mA, I _B = 50mA			1	V
f _T	Current Gain Bandwidth Product	$V_{CE} = 10V, I_{C} = 0.4A$		5		MHz

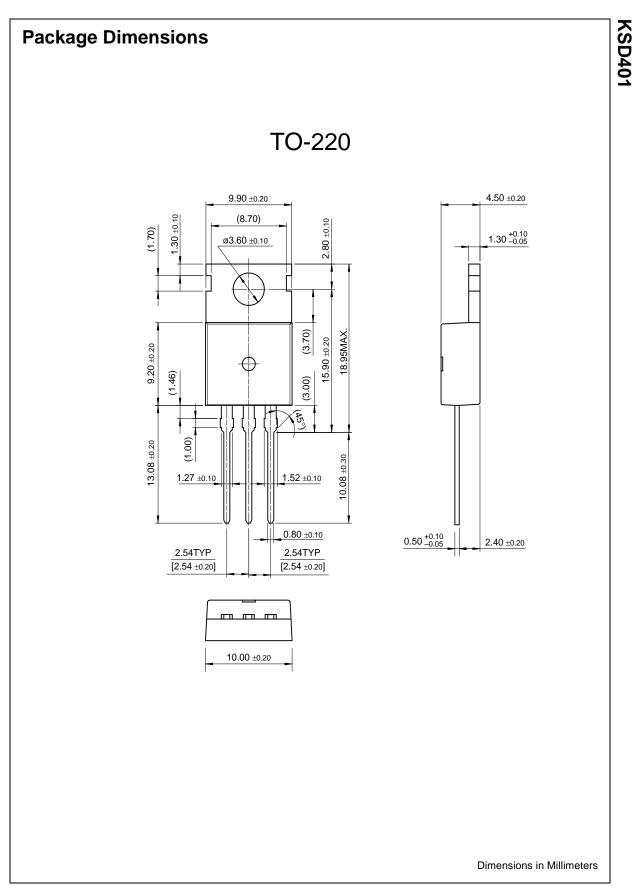
h_{FE} Classification

Classification	Y	G
h _{FE}	120 ~ 240	200 ~ 400



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Programmable A	ctive Droop™	PACMAN™	Stealth™	

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