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KSA1010

High Speed High Voltage Switching

- Industrial Use
- Complement to KSC2334



1.Base 2.Collector 3.Emitter

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	- 100	V
V _{CEO}	Collector-Emitter Voltage	- 100	V
V _{EBO}	Emitter-Base Voltage	- 7	V
I _C	Collector Current (DC)	- 7	А
I _{CP}	*Collector Current (Pulse)	- 15	А
I _B	Base Current	- 3.5	А
P _C	Collector Dissipation (T _C =25°C)	40	W
	Collector Dissipation (T _a =25°C)	1.5	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

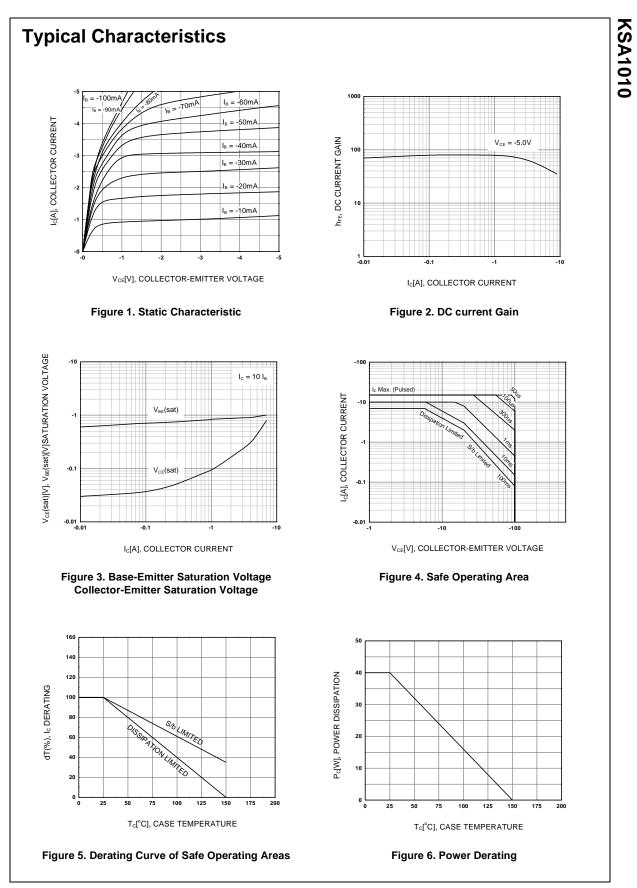
* PW≤300µs, Duty Cycle≤10%

KSA1010

X
SA
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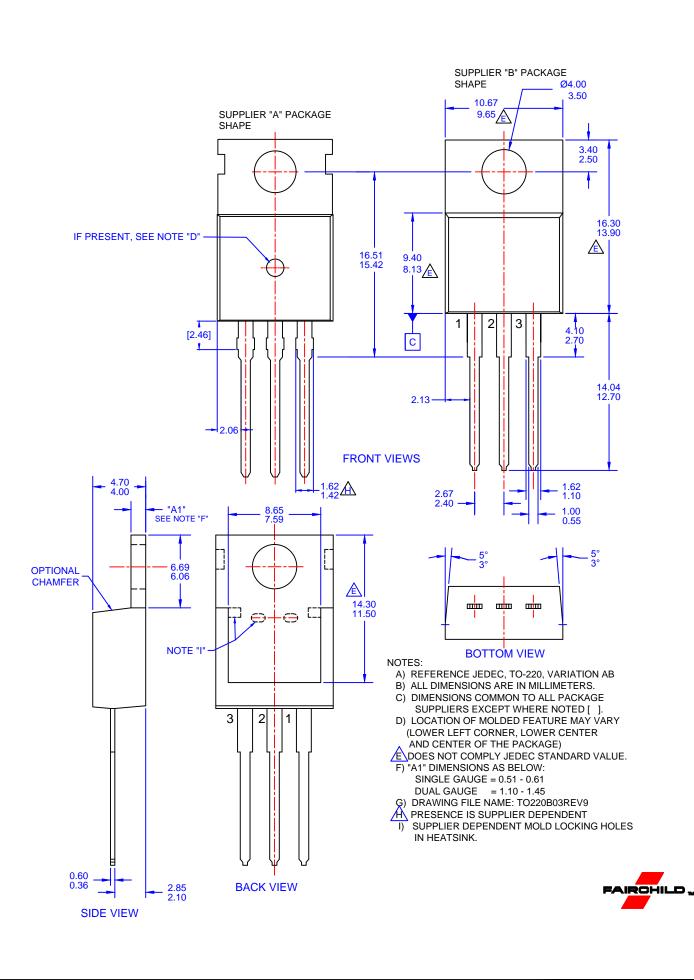
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C Current Gain		$V_{EB} = -5V, I_C = 0$			- 10	uA
		$V_{CE} = -5V, I_C = -0.5A$ $V_{CE} = -5V, I_C = -3A$ $V_{CE} = -5V, I_C = -5A$		40 40 20	200	
ollector-Emitter Sa	aturation Voltage	I _C = -	I _C = - 5A, I _B = - 0.5A		- 0.6	V
ase-Emitter Satura	ation Voltage	I _C = - 5A, I _B = - 0.5A			- 1.5	V
n On Time		$V_{CC} = -50V, I_C = -5A,$ $I_{B1} = -I_{B2} = -0.5A$ $R_L = 10\Omega$			0.5	μs
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Classification	R	0	Y
h _{FE2}	40 ~ 80	60 ~ 120	100 ~ 200



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Rev. A1, August 2001



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