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ON Semiconductor®

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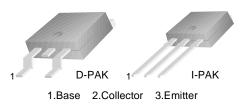


SEMICONDUCTOR®

KSH340

High Voltage Power Transistors D-PAK for Surface Mount Applications

- Lead Formed for Surface Mount Applications (No Suffix)
 Straight Lead (I-PAK, "- I" Suffix)



NPN Epitaxial Silicon Transistor

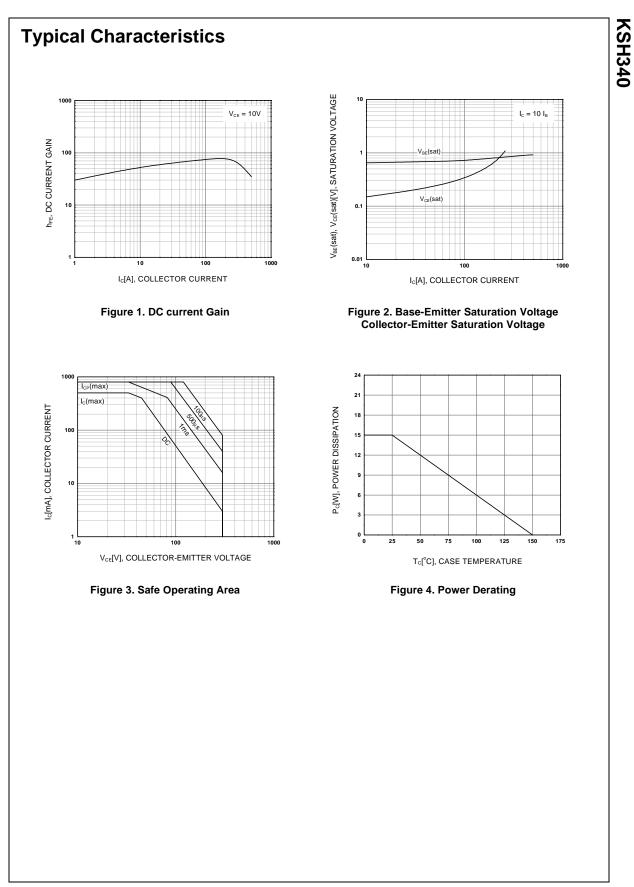
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	300	V
V _{CEO}	Collector-Emitter Voltage	300	V
V _{EBO}	Emitter-Base Voltage	3	V
I _C	Collector Current (DC)	0.5	А
I _{CP}	Collector Current (Pulse)	0.75	А
P _C	Collector Dissipation (T _C =25°C)	15	W
	Collector Dissipation (T _a =25°C)	1.56	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 65 ~ 150	°C

Absolute Maximum Ratings T_C=25°C unless otherwise noted

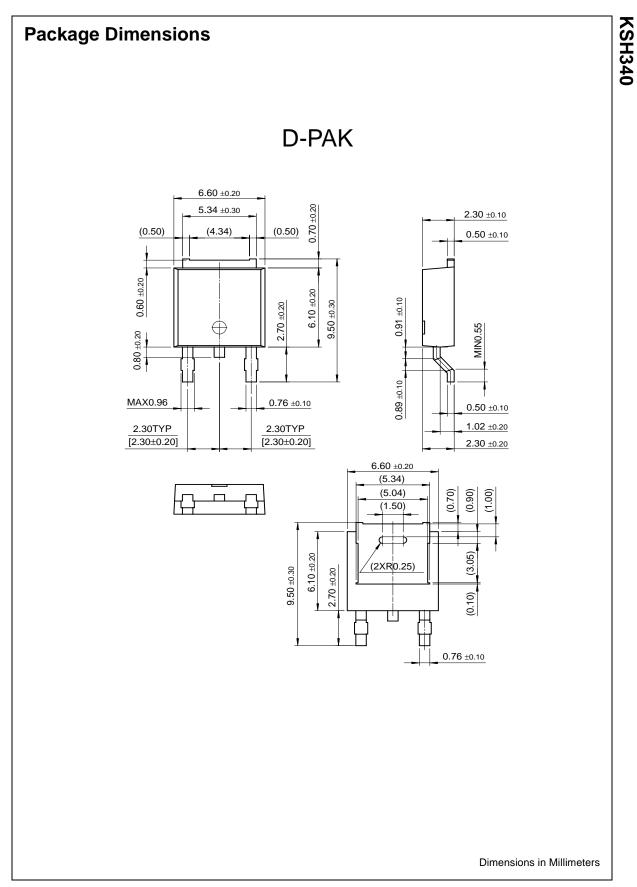
Electrical Characteristics T_C=25°C unless otherwise noted

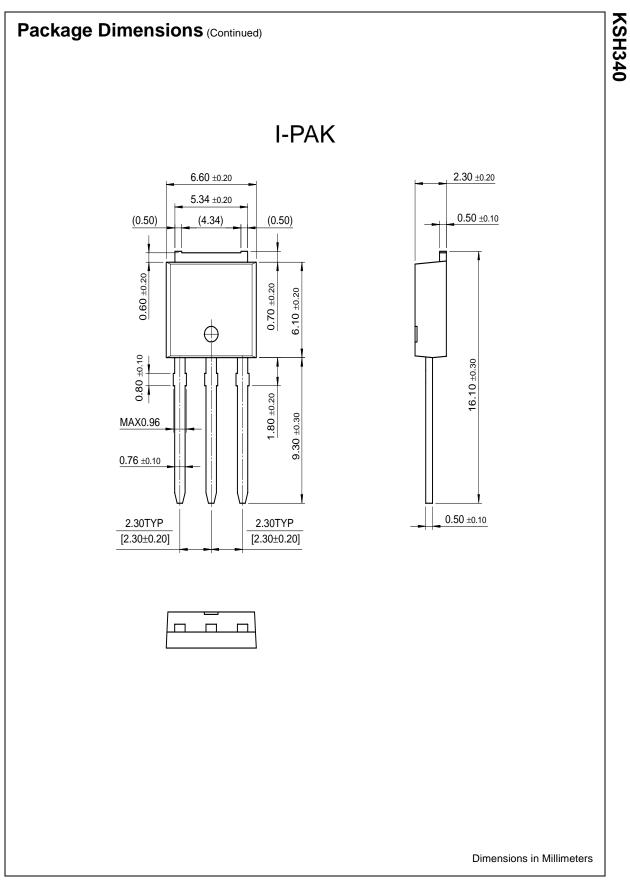
Symbol	Parameter	Test Condition	Min.	Max.	Units
V _{CEO} (sus)	* Collector Emitter Sustaining Voltage	$I_{\rm C} = 1 {\rm mA}, \ I_{\rm B} = 0$	300		V
I _{CEO}	Collector Cut-off Current	V _{CB} = 300V, I _E =0		0.1	mA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = 3V, I_{C} = 0$		0.1	mA
h _{FE}	* DC Current Gain	$V_{CE} = 10V, I_{C} = 50mA$	30	240	

Pulse Test: PW≤300µs, Duty Cycle≤2%



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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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