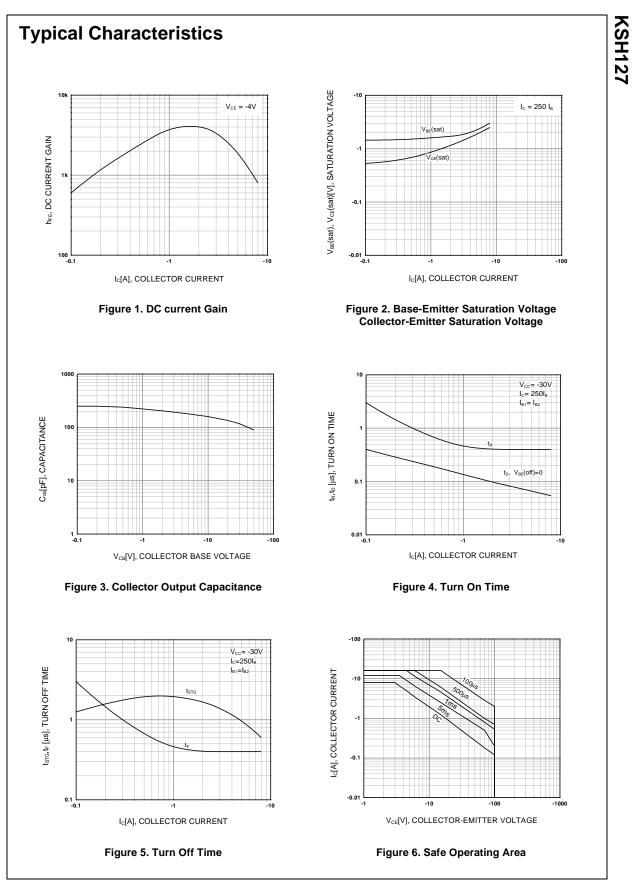


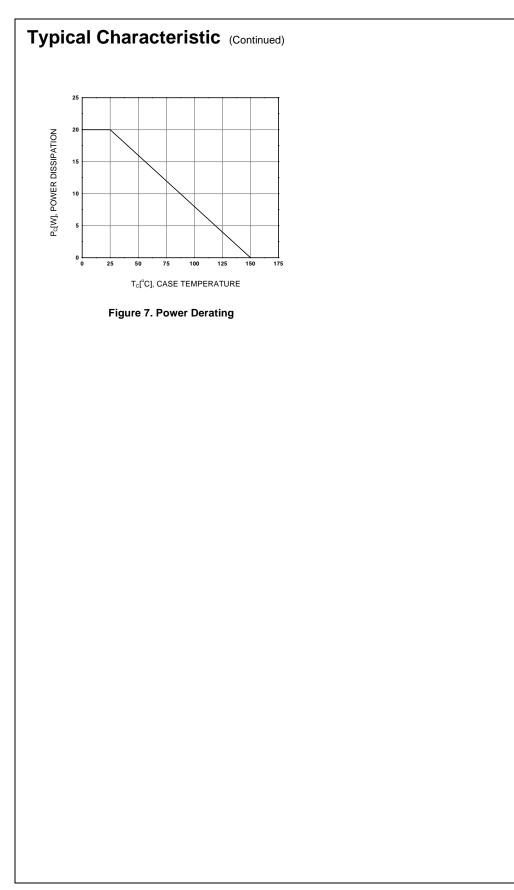
Symbol	Parameter	Test Condition	Min.	Max.	Units
V <sub>CEO</sub> (sus)	*Collector-Emitter Sustaining Voltage	$I_{\rm C} = -30 {\rm mA}, \ I_{\rm B} = 0$	- 100		V
I <sub>CEO</sub>	Collector Cut-off Current	$V_{CE} = -50V, I_B = 0$		- 10	μΑ
I <sub>CBO</sub>	Collector Cut-off Current	$V_{CB} = -100V, I_E = 0$		- 10	μΑ
I <sub>EBO</sub>	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$		- 2	mA
h <sub>FE</sub>	*DC Current Gain	$V_{CE} = -4V, I_C = -4A$ $V_{CE} = -4V, V_{EB} = -8A$	1000 100	12K	
V <sub>CE</sub> (sat)	*Collector-Emitter Saturation Voltage	I <sub>C</sub> = - 4A, I <sub>B</sub> = - 16mA I <sub>C</sub> = - 8A, I <sub>B</sub> = - 80mA		- 2 - 4	V V
V <sub>BE</sub> (sat)	*Base-Emitter Saturation Voltage	I <sub>C</sub> = - 8A, I <sub>B</sub> = - 80mA		- 4.5	V
V <sub>BE</sub> (on)	*Base-Emitter ON Voltage	$V_{CE} = -4V, I_{C} = -4A$		- 2.8	V
C <sub>ob</sub>	Output Capacitance	V <sub>CB</sub> = - 10V, I <sub>E</sub> = 0 f= 0.1MHz		300	pF

\* Pulse Test: PW $\leq$ 300µs, Duty Cycle $\leq$ 2%

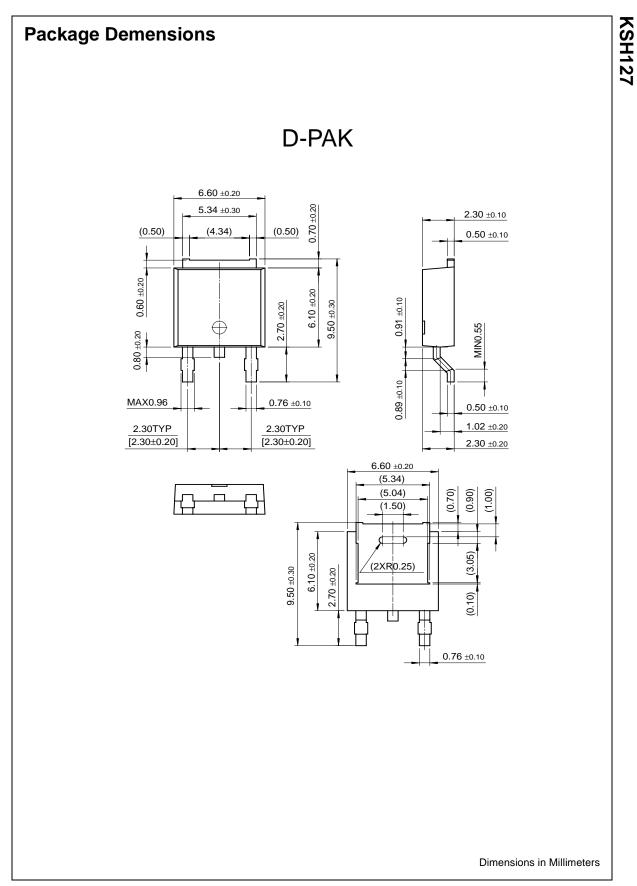


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Rev. A3, June 2001



KSH127



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### **PRODUCT STATUS DEFINITIONS**

#### **Definition of Terms**

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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### **D-PAK for Surface Mount**

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
KSH127TM	Full Production	\$0.353	TO-252(DPAK)	2	TAPE REEL
KSH127TF	Full Production	\$0.353	TO-252(DPAK)	2	TAPE REEL

\* 1,000 piece Budgetary Pricing

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## **D-PAK for Surface Mount**

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Applications

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
KSH127ITU	Full Production	\$0.353	TO-251(IPAK)	3	RAIL

\* 1,000 piece Budgetary Pricing

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