

 $V_{CE} = 3V, I_{C} = 4A$

 $I_{C} = 2A, I_{B} = 8mA$

 $I_{C} = 4A, I_{B} = 40mA$

 $I_{C} = 4A, I_{B} = 40mA$

 $V_{CE} = 3A, I_{C} = 2A$

 $V_{CB} = 10V, I_E = 0$

f = 0.1 MHz

 $V_{CE} = 10V, I_{C} = 0.75A$

200

25

2

3

4

2.8

100

V

V

V V

MHz

рF

* Collector-Emitter Saturation Voltage

Base-Emitter Saturation Voltage

Current Gain Bandwidth Product

Base-Emitter ON Voltage

Output Capacitance

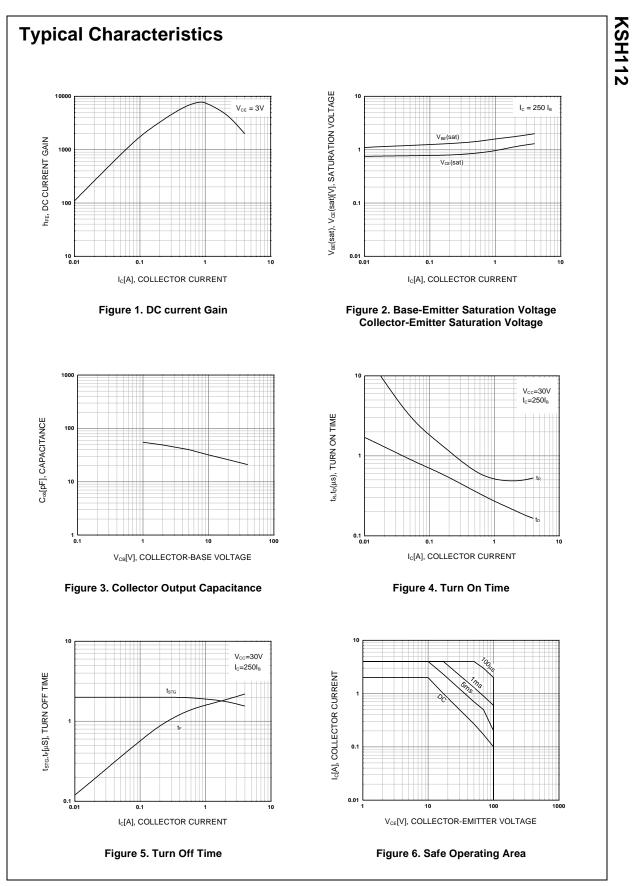
Cob * Pulse Test: PW≤300µs, Duty Cycle≤2%

V_{CE}(sat)

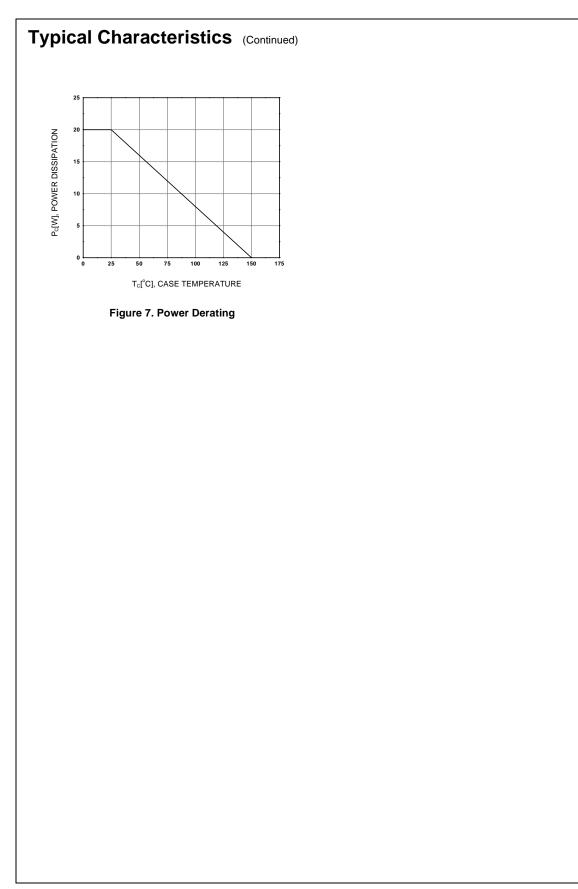
V_{BE}(sat)

V_{BE}(on)

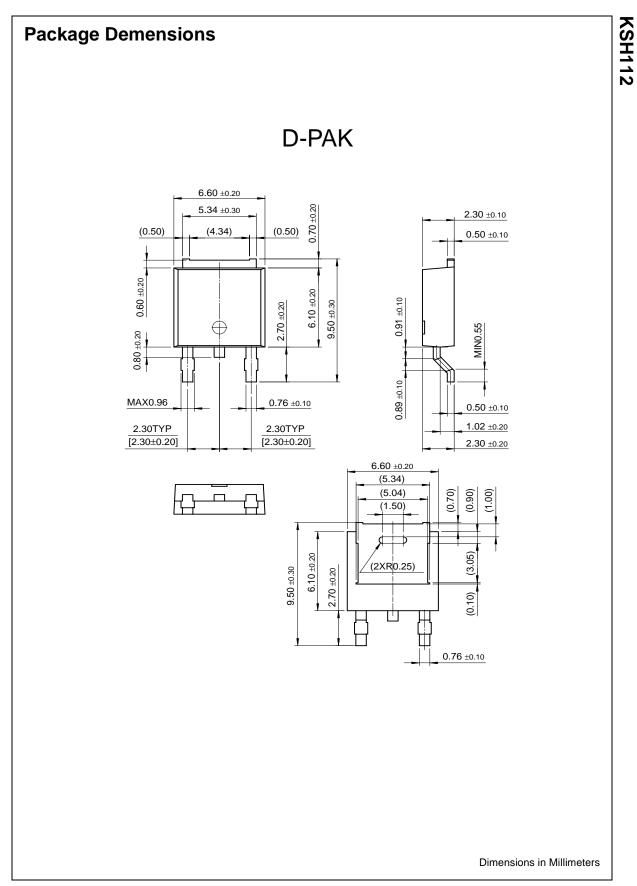
 f_{T}



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KSH112



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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.
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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D-PAK for Surface Mount

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Applications

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
KSH112TM	Full Production	\$0.336	TO-252(DPAK)	2	TAPE REEL
KSH112TF	Full Production	\$0.336	TO-252(DPAK)	2	TAPE REEL

* 1,000 piece Budgetary Pricing

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Applications

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
KSH112ITU	Full Production	\$0.336	TO-251(IPAK)	3	RAIL
* 1,000 piece Budgetery Pricing					

* 1,000 piece Budgetary Pricing

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