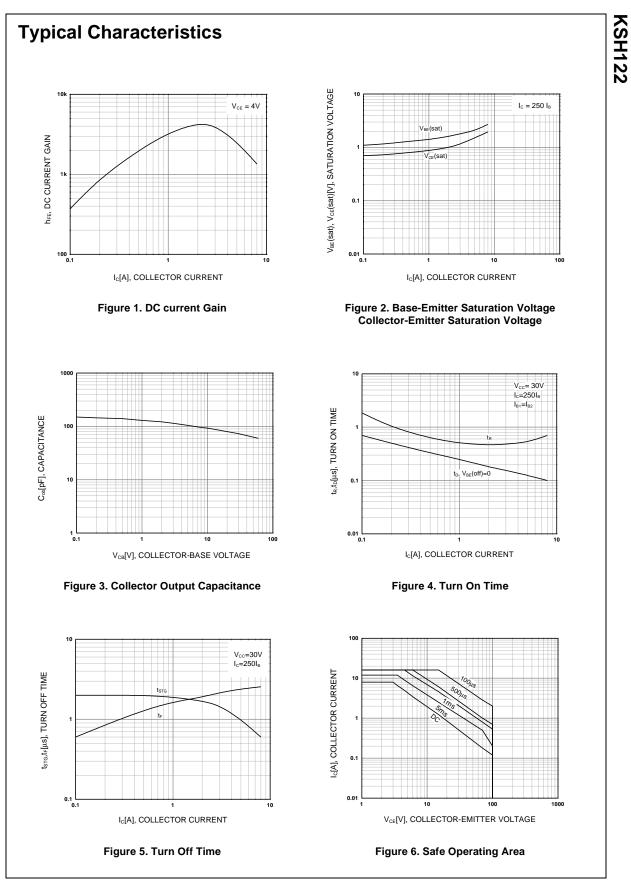


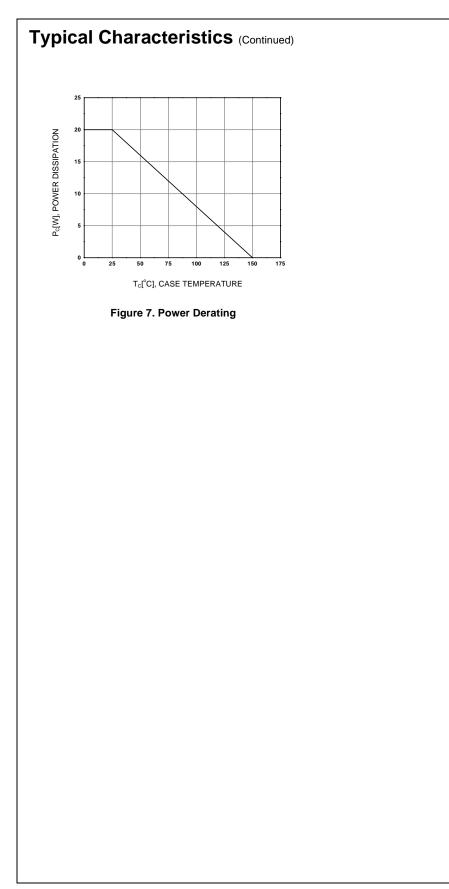
Symbol	Parameter	Test Condition	Min.	Max.	Units
V <sub>CEO</sub> (sus)	*Collector-Emitter Sustaining Voltage	$I_{\rm C} = 30 {\rm mA}, I_{\rm B} = 0$	100		V
I <sub>CEO</sub>	Collector Cut-off Current	$V_{CE} = 50V, I_B = 0$		10	μΑ
I <sub>CBO</sub>	Collector Cut-off Current	$V_{CB} = 100V, I_E = 0$		10	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	$I_C = 4A$ , $I_B = 16mA$ $I_C = 8A$ , $I_B = 80mA$		2 4	V V
V <sub>BE</sub> (sat)	*Base-Emitter Saturation Voltage	$I_{\rm C} = 8$ A, $I_{\rm B} = 80$ mA		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	$V_{CB} = 10V, I_E = 0$ f= 0.1MHz		200	pF

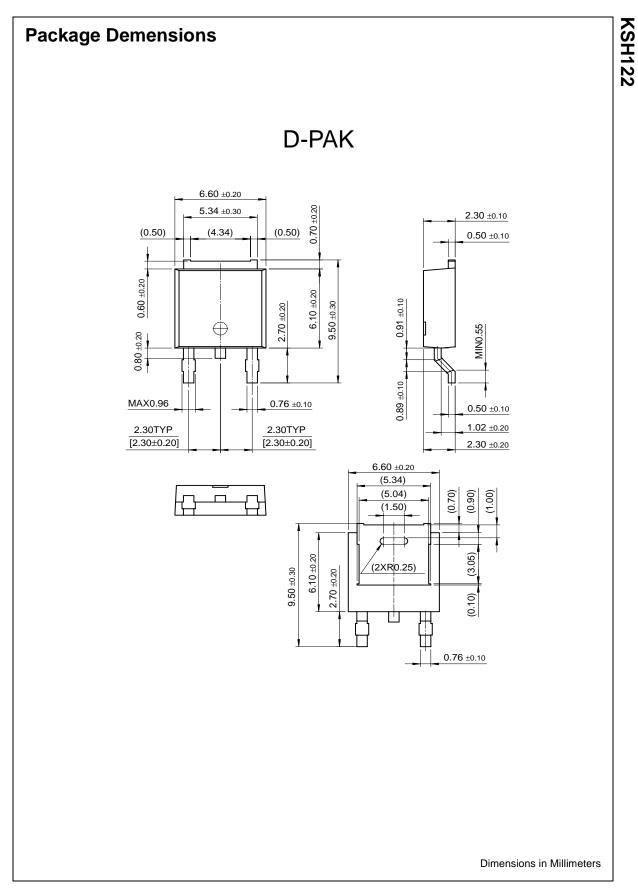
\* Pulse Test: PW≤300µs, Duty Cycle≤2%



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Rev. A3, June 2001





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Datasheet Identification	Product Status	Definition
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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
KSH122TM	Full Production	\$0.336	TO-252(DPAK)	2	TAPE REEL
KSH122TF	Full Production	\$0.336	TO-252(DPAK)	2	TAPE REEL

\* 1,000 piece Budgetary Pricing

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Applications

Product status/pricing/packaging

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