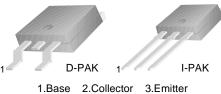


- Electrically Similar to Popular KSE2955T ٠
- DC Current Gain Specified to 10A
- High Current Gain Bandwidth Product: $f_{T} = 2MHz$ (MIN), $I_{C} = -500mA$



KSH2955

PNP Epitaxial Silicon Transistor

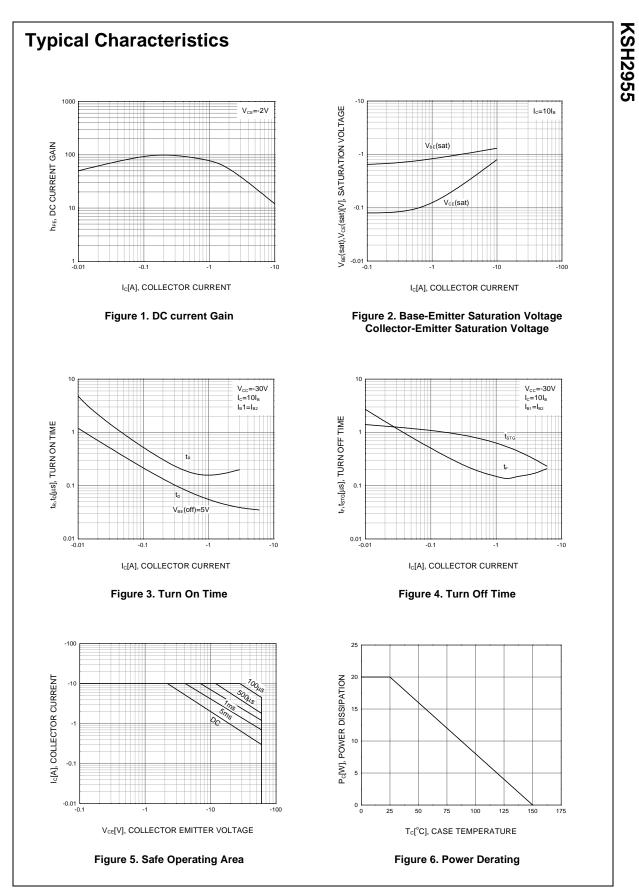
Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	- 70	V
V _{CEO}	Collector-Emitter Voltage	- 60	V
V _{EBO}	Emitter-Base Voltage	- 5	V
I _C	Collector Current	- 10	А
B	Base Current	- 6	А
P _C	Collector Dissipation (T _C =25°C)	20	W
	Collector Dissipation (T _a =25°C)	1.75	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

Electrical Characteristics T_C=25°C unless otherwise noted

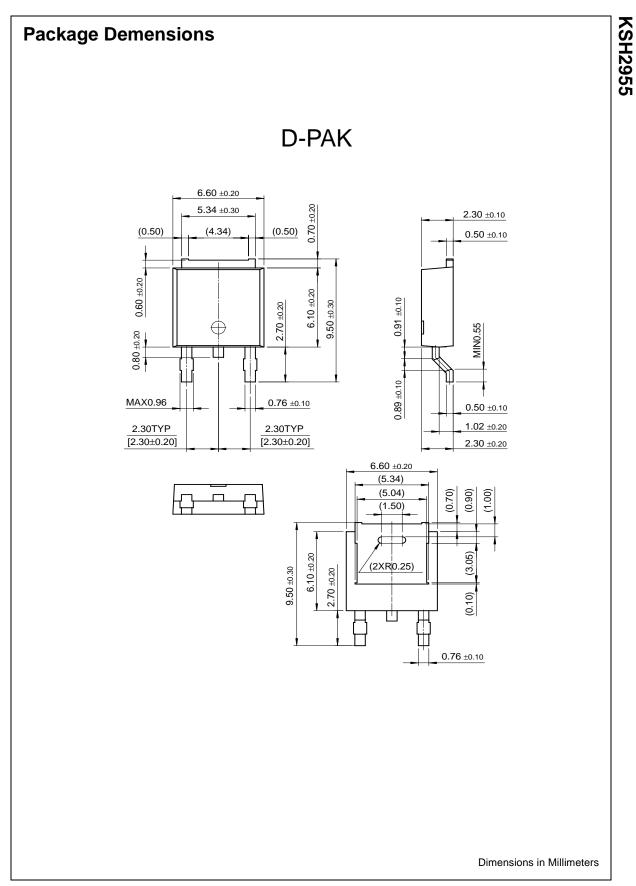
Symbol	Parameter	Test Condition	Min.	Max.	Units
V _{CEO} (sus)	* Collector-Emitter Sustaining Voltage	I _C = - 30mA, I _B = 0	-60		V
I _{CEO}	Collector Cut-off Current	$V_{CE} = -30V, I_E = 0$		- 50	μΑ
I _{CBO}	Collector Cut-off Current	$V_{CB} = -70V, I_E = 0$		- 2	mA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$		- 0.5	mA
h _{FE}	* DC Current Gain	$V_{CE} = -4V, I_{C} = -4A$	20	100	
		$V_{CE} = -4V, I_{C} = -10A$	5		
V _{CE} (sat)	* Collector-Emitter Saturation Voltage	$I_{\rm C} = -4A, I_{\rm B} = -0.4A$		- 1.1	V
		I _C = - 10A, I _B = - 3.3A		- 8	V
V _{BE} (on)	* Base-Emitter ON Voltage	V _{CE} = - 4V, I _C = - 4A		-1.8	V
f _T	Current Gain Bandwidth Product	V _{CF} = - 10V, I _C = - 500mA	2		MHz

* Pulse Test: PW≤300ms, Duty Cycle≤2%



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Rev. A3, June 2001



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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.
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General Purpose Amplifier Low Speed Switching D-PAK for Surface Mount

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
KSH2955TM	Full Production	\$0.35	TO-252(DPAK)	2	TAPE REEL
KSH2955TF	Full Production	\$0.35	TO-252(DPAK)	2	TAPE REEL

* 1,000 piece Budgetary Pricing

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Switching D-PAK for Surface Mount

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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
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* 1,000 piece Budgetary Pricing

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