

SEMICONDUCTOR TM

KSB596

Power Amplifier Applications

Complement to KSD526



1.Base 2.Collector 3.Emitter

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_{C}=25^{\circ}C$ unless otherwise noted

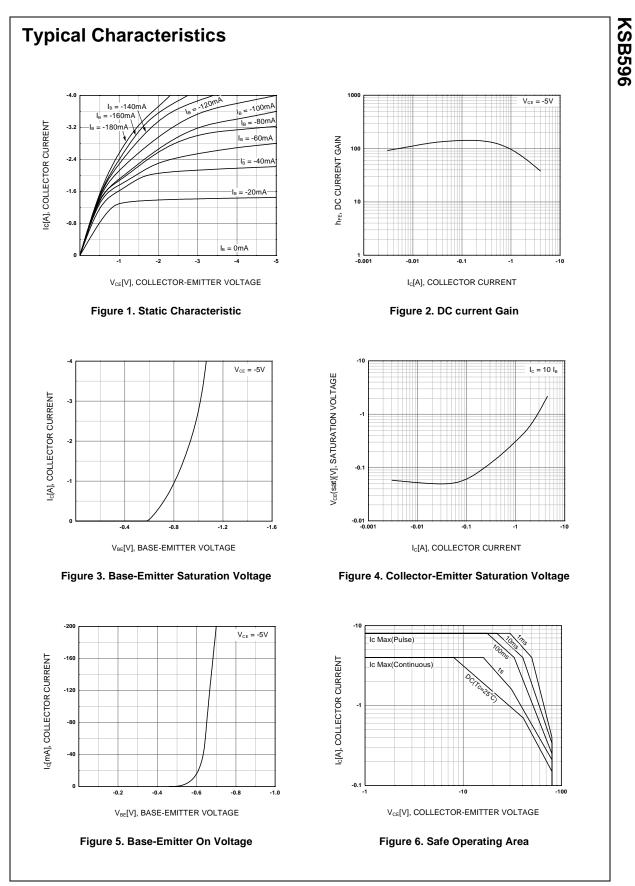
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	- 80	V
V _{CEO}	Collector-Emitter Voltage	- 80	V
V _{EBO}	Emitter-Base Voltage	- 5	V
I _C	Collector Current(DC)	- 4	А
I _B	Base Current	- 0.4	А
P _C	Collector Dissipation (T _C =25°C)	30	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

Electrical Characteristics $T_C=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = - 50mA, I _B = 0	- 80			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = - 10mA, I _C = 0	- 5			V
I _{CBO}	Collector Cut-off Current	$V_{CB} = -80V, I_E = 0$			- 70	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} = - 5V, I _C = 0			- 100	μΑ
h _{FE1}	DC Current Gain	V _{CE} = - 5V, I _C = - 0.5A	40		240	
h _{FE2}		$V_{CE} = -5V, I_{C} = -3A$	15			
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = - 3A, I _B = - 0.3A		- 1	- 1.7	V
V _{BE} (on)	Base-Emitter ON Voltage	V _{CE} = - 5V, I _C = - 3A		- 1	- 1.5	V
f _T	Current Gain Bandwidth Product	V _{CE} = - 5V, I _C = - 0.5A	3			MHz
C _{ob}	Output Capacitance	$V_{CB} = -10V, I_E = 0$ f = 1MHz		130		pF

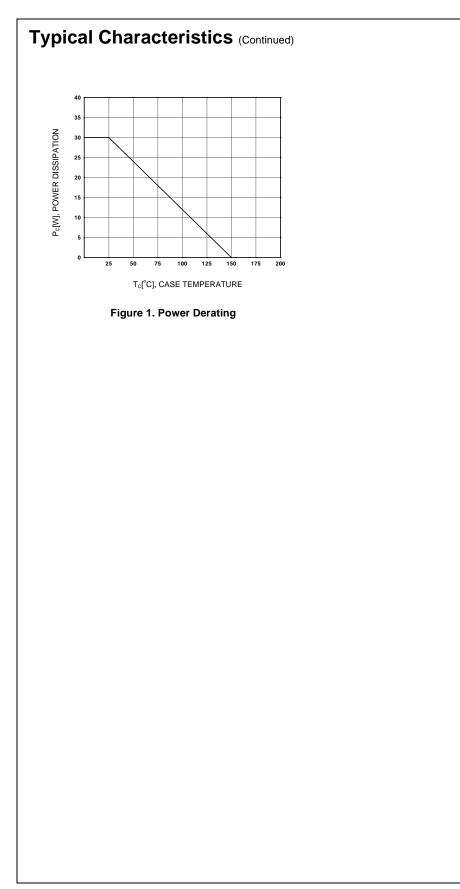
h_{FE} Classification

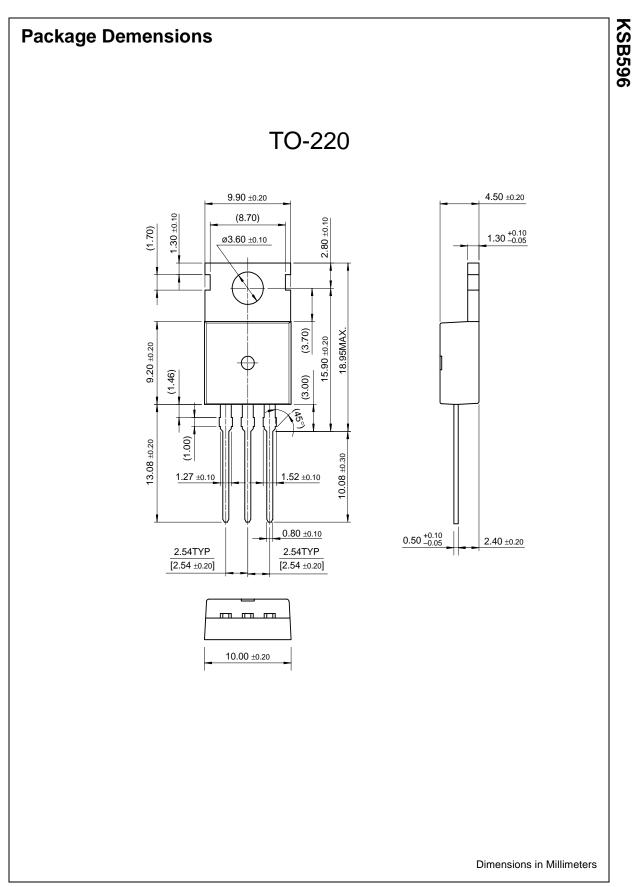
Classification	R	0	Y			
h _{FE1}	40 ~ 80	70 ~ 140	120 ~ 240			



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