

KSB1366

LOW FREQUENCY POWER AMPLIFIER

Complement to KSD2012



PNP Epitaxial Silicon Transistor

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

Symbol	Parameter	Value	Units	
V _{CBO}	Collector-Base Voltage	- 60	V	
V _{CEO}	Collector-Emitter Voltage	- 60	V	
V _{EBO}	Emitter-Base Voltage	- 7	V	
I _C	Collector Current(DC)	- 3	A	
I _B	Base Current	- 0.5	A	
	Collector Dissipation (T _a =25°C)	2	W	
P _C P _C	Collector Dissipation (T _C =25°C)	25	W	
TJ	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	- 55 ~ 150	°C	

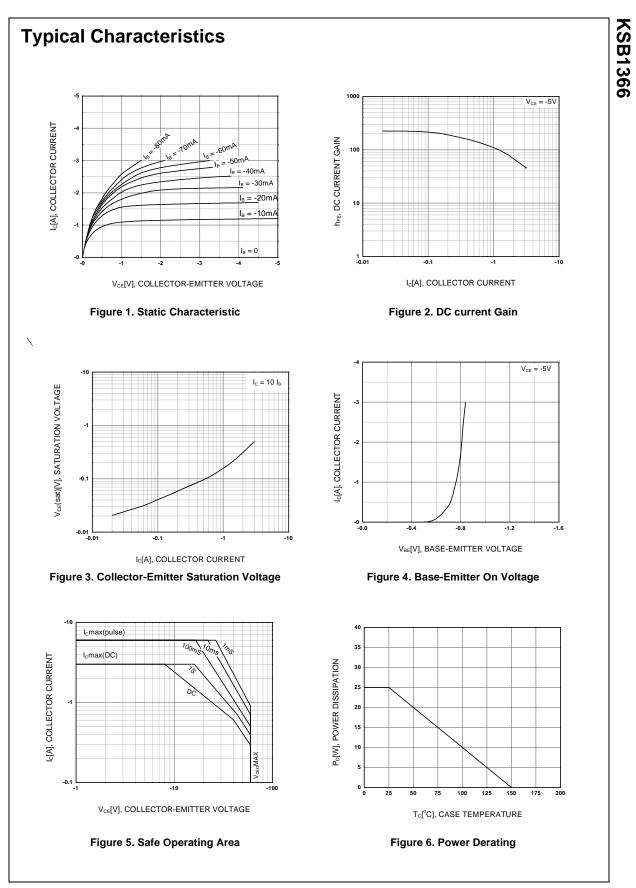
Electrical Characteristics $T_C=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = - 50mA, I _B = 0	- 60			V
I _{CBO}	Collector Cut-off Current	$V_{CB} = -60V, I_E = 0$			- 100	μΑ
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -7V, I_{C} = 0$			- 100	μΑ
h _{FE1}	DC Current Gain	V _{CE} = - 5V, I _C = - 0.5A	100		320	
h _{FE2}		V _{CE} = - 5V, I _C = - 3A	20			
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = - 2A, I _B = - 0.2A		- 0.5	- 1	V
V _{BE} (on)	Base-Emitter ON Voltage	$V_{CE} = -5V, I_{C} = -0.5A$		- 0.7	- 1	V
f _T	Current Gain Bandwidth Product	V _{CE} = - 5V, I _C = - 0.5A		9		MHz

h_{FE} Classification

Classification	Y	G
h _{FE1}	100 ~ 200	150 ~ 320

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