KSA812

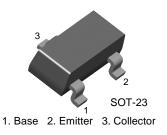


SEMICONDUCTOR®

KSA812

Low Frequency Amplifier

- Collector-Base Voltage : V_{CBO}= -60V
 Complement to KSC1623



PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_a=25$ °C unless otherwise noted

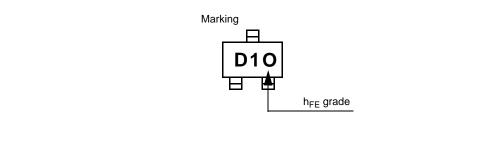
Symbol	Parameter	Ratings	Units	
V _{CBO}	Collector-Base Voltage	-60	V	
V _{CEO}	Collector-Emitter Voltage	-50	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
I _C	Collector Current	-100	mA	
C Collector Power Dissipation		150	mW	
Тј	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	-55 ~ 150	°C	

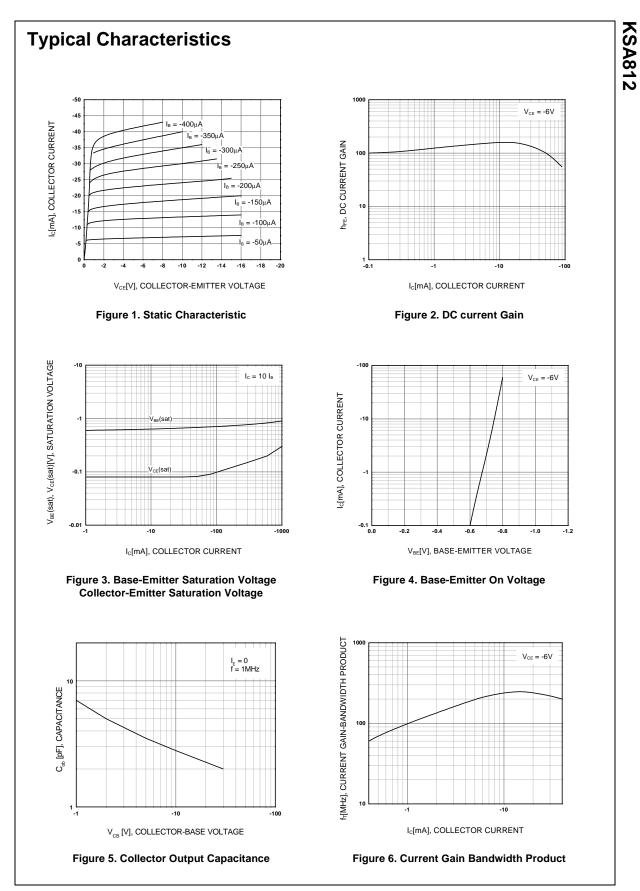
Electrical Characteristics $T_a=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	V _{CB} = -60V, I _E =0			-0.1	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} = -5V, I _C =0			-0.1	μΑ
h _{FE}	DC Current Gain	V _{CE} = -6V, I _C = -1mA	90	200	600	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -100mA, I _B = -10mA		-0.18	-0.3	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -6V, I _C = -1mA	-0.55	-0.62	-0.65	V
f _T	Current Gain Bandwidth Product	V _{CE} = -6V, I _C = -10mA		180		MHz
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E =0, f=1MHz		4.5		pF

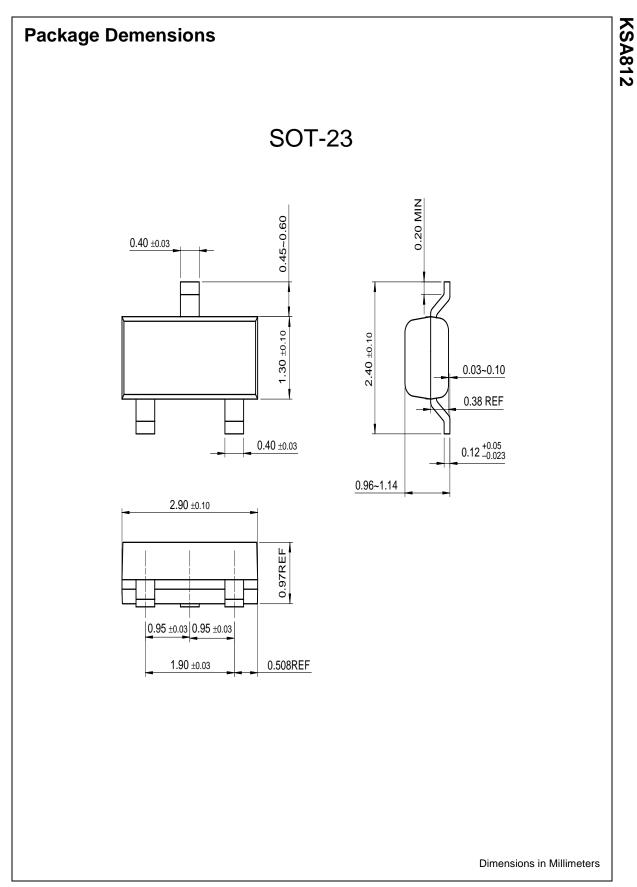
h_{FE} Classification

Classification	0	Y	G	L
h _{FE}	90 ~ 180	135 ~ 270	200 ~ 400	300 ~ 600





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