

KSA1614

Low Frequency Power Amplifier **Power Regulator**

- Collector-Base Voltage : V_{CBO} = 80V
 Collector Dissipation : P_C=20W (T_C=25°C)



PNP Epitaxial Silicon Transistor

Absolute N	<i>l</i> laximum	Ratings $T_{C}=25^{\circ}C$ unless otherwise noted
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Symbol	Parameter	Ratings	Units
V _{CBO}	Collector-Base Voltage	- 80	V
V _{CEO}	Collector-Emitter Voltage	- 55	V
V _{EBO}	Emitter-Base Voltage	- 5	V
I _C	Collector Current	- 3	A
P _C	Collector Dissipation (T _C =25°C)	20	W
T _J Junction Temperature		150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

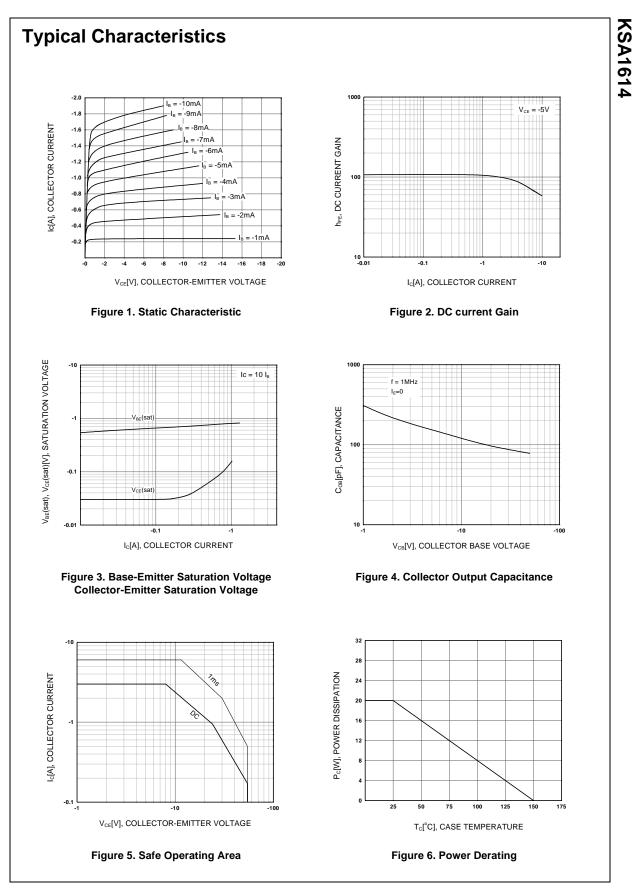
Electrical Characteristics $T_C=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	$I_{C} = -500\mu A, I_{E} = 0$	- 80			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = - 10mA, I _B = 0	- 55			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = - 500μA, I _C = 0	- 5			V
I _{CBO}	Collector Cut-off Current	$V_{CB} = -50V, I_B = 0$			- 50	μΑ
h _{FE}	DC Current Gain	$V_{CE} = -5V, I_{C} = -0.5A$	40		240	
V _{BE} (sat)	Collector-Emitter Saturation Voltage	I _C = - 1A, I _B = - 0.1A		- 0.15	- 0.5	V

h_{FE} Classification

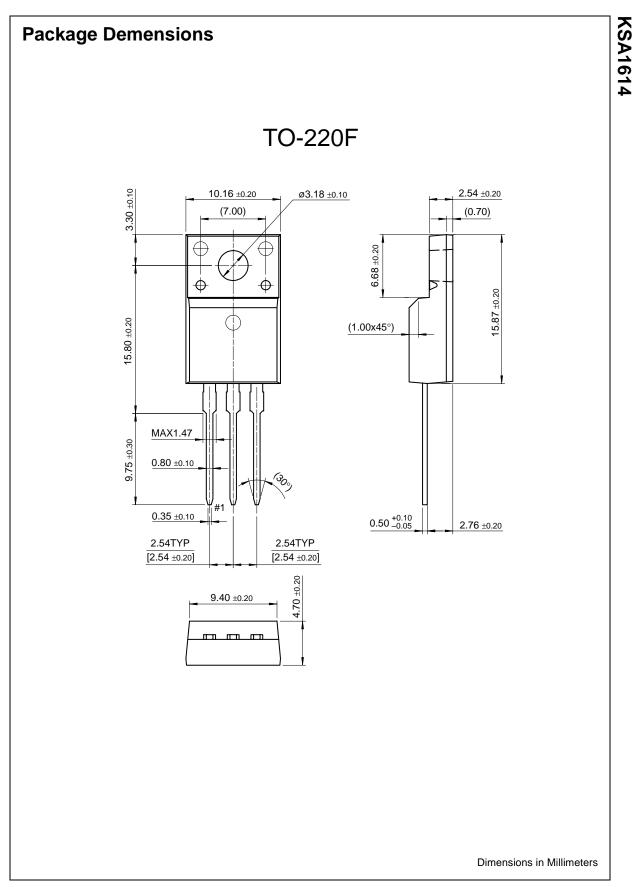
Classification	R	0	Y
h _{FE}	40 ~ 80	70 ~ 140	120 ~ 240

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