FAIRCHILD

SEMICONDUCTOR®

KSC3488

Low Frequency Power Amplifier

- Complement to KSA1378
- Collector Dissipation : P_C=300mW



KSC3488

1.Emitter 2. Collector 3. Base

NPN Epitaxial Silicon Transistor

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

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	30	V
V _{CEO}	Collector-Emitter Voltage	25	V
V _{EBO}	Emitter-Base Voltage	5	V
c	Collector Current	300	mA
P _C	Collector Power Dissipation	300	mW
ТJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

Electrical Characteristics Ta=25°C unless otherwise noted

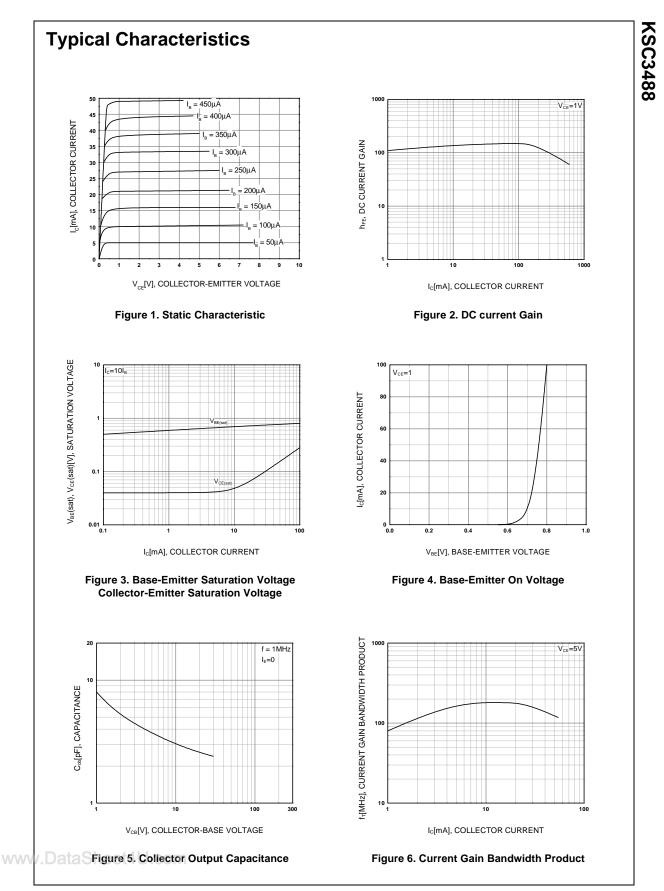
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Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C =100μA, I _E =0	30			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C =10mA, I _B =0	25			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E =10μA, I _C =0	5			V
I _{CBO}	Collector Cut-off Current	V _{CB} =25V, I _E =0			0.1	μA
I _{EBO}	Emitter Cut-off Current	V _{EB} =3V, I _C =0			0.1	μA
h _{FE}	DC Current Gain	V _{CE} =1V, I _C =50mA	70		400	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =300mA, I _B =30mA		0.14	0.4	V

h_{FE} Classification

Classification	0	Y	G
h _{FE}	70 ~ 140	120 ~ 240	200 ~ 400

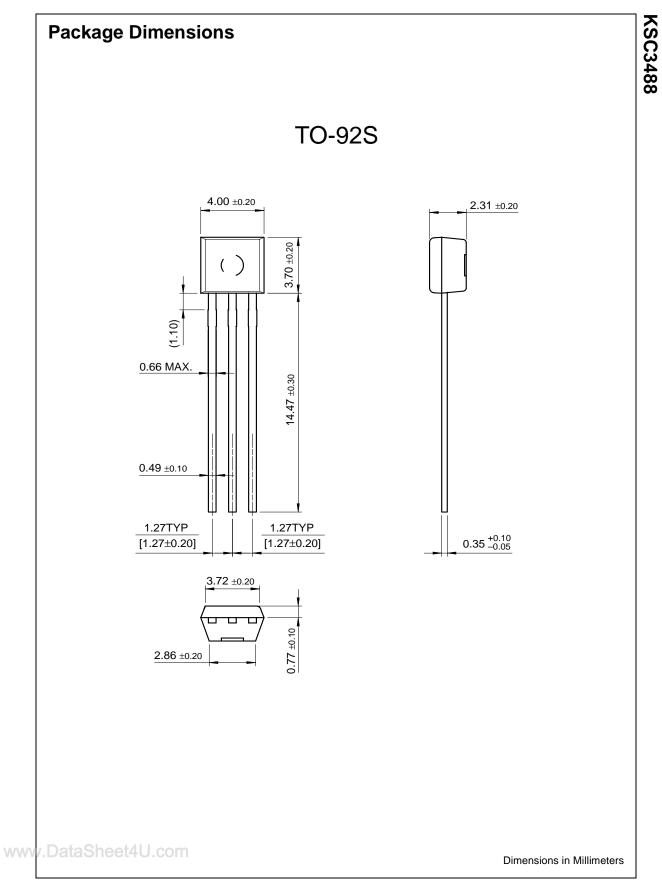
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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
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