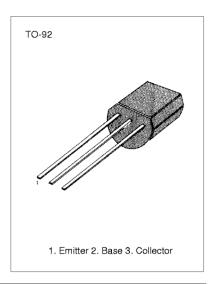
## **LOW FREQUENCY AMPLIFIER**

- Complement to KSC1815
- Collector-Base Voltage: V<sub>CBO</sub>= -50V

## ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current Base Current Collector Dissipation Junction Temperature Storage Temperature	VcBo VcEo VEBO Ic IB Pc TJ TsT9	-50 -50 -5 -150 -50 400 125 -65 ~ 150	V V MA MW ° ℃ ℃



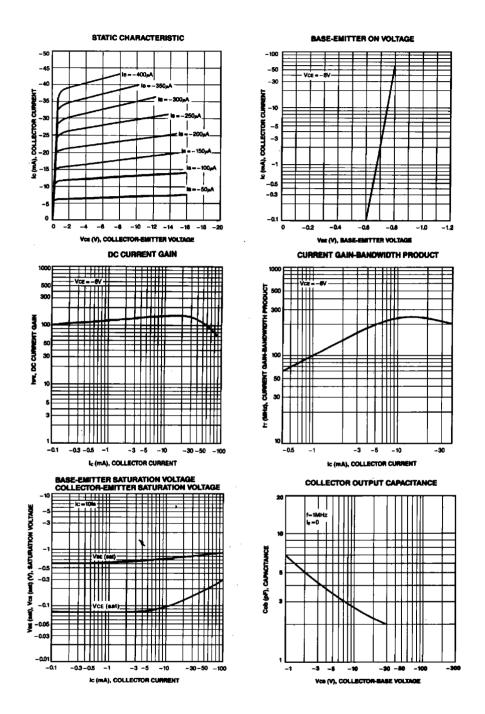
# **ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C)**

Characteristic	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector-Base Breakdown Voltage Collector-Emitter Breakdown Voltage Emitter-Base Breakdown Voltage Collector Cut-off Current Emitter Cut-off Current DC Current Gain  Collector-Emitter Saturation Voltage Base Emitter Saturation Voltage Current-Gain Bandwidth Product Output Capacitance Noise Figure	BV <sub>CBO</sub> BV <sub>CEO</sub> BV <sub>EBO</sub> l <sub>CBO</sub> l <sub>EBO</sub> h <sub>FE1</sub> h <sub>FE2</sub> V <sub>CE</sub> (sat) f <sub>T</sub> C <sub>OB</sub> NF	c= -100μA,   c=0   c= -10mA,   c=0   l= -10μA,   c=0   V <sub>CB</sub> = -50V,   c=0   V <sub>CE</sub> = -6V,   c= -150mA   c= -100mA,   c= -100mA,   c= -10mA   c= -10V,   c=1mA   V <sub>CB</sub> = -10V,   c=0, f=1MHz   V <sub>CE</sub> = -6V,   c= -0.1mA   f=100Hz, R <sub>G</sub> =10KΩ	-50 -50 -5 70 25	-0.1 4 0.5	-0.1 -0.1 400 -0.3 -1.1	> > > Д Д Д > > Н Р В dB

# h<sub>FE</sub>(1) CLASSIFICATION

Classification	0	Y	G	
h <sub>FE</sub>	70~140	120~240	200~400	







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CROSSVOLT<sup>TM</sup> POP<sup>TM</sup>

E²CMOS™ PowerTrench™

FACT<sup>TM</sup> QS<sup>TM</sup>

FACT Quiet Series  $^{\text{TM}}$  Quiet Series  $^{\text{TM}}$  SuperSOT  $^{\text{TM}}$ -3 FAST  $^{\text{TM}}$  SuperSOT  $^{\text{TM}}$ -6 GTO  $^{\text{TM}}$  SuperSOT  $^{\text{TM}}$ -8 HiSeC  $^{\text{TM}}$ 

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