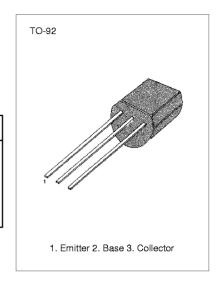
LOW FREQUENCY AMPLIFIER MEDIUM SPEED SWITCHING

- Complement to KSA708
- High Collector-Base Voltage: V_{CBO}=80V
- Collector Dissipation: P_C=800mW

 Collector Dissipation: P_C=800mW

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current Collector Dissipation Junction Temperature Storage Temperature	V _{CBO} V _{CEO} V _{EBO} I _C P _C T _J T _{STG}	80 60 8 700 800 150 -55 ~ 150	∨ ∨ ∨ mA mW ° ° °



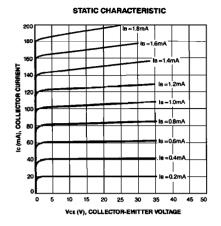
ELECTRICAL CHARACTERISTICS (T_A=25°C)

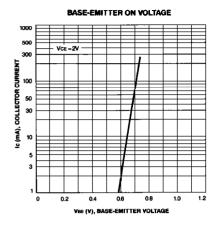
Characteristic	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector-Base Breakdown Voltage Collector-Emitter Breakdown Voltage Emitter-Base Breakdown Voltage Collector Cut-off Current Emitter Cut-off Current DC Current Gain Collector-Emitter Saturation Voltage Base-Emitter Saturation Voltage Current Gain-Bandwidth Product Output Capacitance	BVcBo BVcEo BVEBO ICBO IEBO hFE VCE (Sat) VBE (Sat) fT COB	$\begin{array}{l} l_{\text{C}}\!\!=\!\!100\mu\text{A},\ l_{\text{E}}\!\!=\!\!0\\ l_{\text{C}}\!\!=\!\!10\text{mA},\ l_{\text{B}}\!\!=\!\!0\\ l_{\text{E}}\!\!=\!\!10\mu\text{A},\ l_{\text{C}}\!\!=\!\!0\\ V_{\text{CB}}\!\!=\!\!60\text{V},\ l_{\text{E}}\!\!=\!\!0\\ V_{\text{CB}}\!\!=\!\!5\text{V},\ l_{\text{C}}\!\!=\!\!0\\ V_{\text{CE}}\!\!=\!\!2\text{V},\ l_{\text{C}}\!\!=\!\!50\text{mA}\\ l_{\text{C}}\!\!=\!\!500\text{mA},\ l_{\text{B}}\!\!=\!\!50\text{mA}\\ l_{\text{C}}\!\!=\!\!500\text{mA},\ l_{\text{B}}\!\!=\!\!50\text{mA}\\ V_{\text{CE}}\!\!=\!\!10\text{V},\ l_{\text{C}}\!\!=\!\!50\text{mA}\\ V_{\text{CB}}\!\!=\!\!10\text{V},\ l_{\text{E}}\!\!=\!\!0\\ f\!\!=\!\!10\text{Hz} \end{array}$	80 60 8 40 30	0.2 0.86 50 8	0.1 0.1 400 0.4 1.1	V V μΑ μΑ V MHz pF

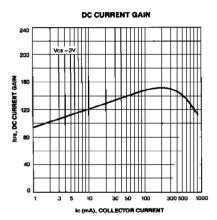
h_{FE} CLASSIFICATION

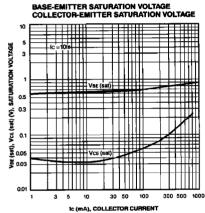
Classification	R	0	Y	G
h _{FE}	40-80	70-140	120-240	200-400

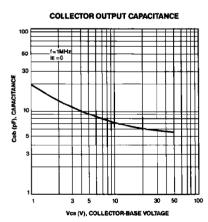














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FACT Quiet Series $^{\text{TM}}$ Quiet Series $^{\text{TM}}$ SuperSOT $^{\text{TM}}$ -3 FAST $^{\text{TM}}$ SuperSOT $^{\text{TM}}$ -6 GTO $^{\text{TM}}$ SuperSOT $^{\text{TM}}$ -8 HiSeC $^{\text{TM}}$

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