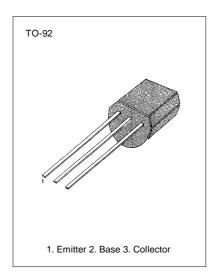
AUDIO FREQUENCY POWER AMPLIFIER

- Complement to KSB564A
- Collector Current I_C=1A
- Collector Dissipation P_C=800mW

ABSOLUTE MAXIMUM RATINGS (T_A=25 $^{\circ}$ C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	40	V
Collector-Emitter Voltage	V _{CEO}	30	V
Emitter-Base Voltage	V _{EBO}	5	V
Collector Current	Ic	1	Α
Collector Dissipation	Pc	800	mW
Junction Temperature	TJ	150	$^{\circ}$
Storage Temperature	T _{STG}	-55 ~ 150	$^{\circ}$ C



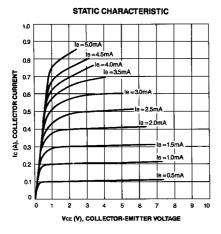
ELECTRICAL CHARACTERISTICS (T_A=25 °C)

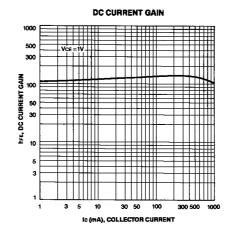
Characteristic	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector-Base Breakdown Voltage	BV _{CBO}	I _C =100 μA, I _E =0	40			V
Collector-Emitter Breakdown Voltage	BV _{CEO}	$I_C=10mA$, $I_B=0$	30			V
Emitter-Base Breakdown Voltage	BV _{EBO}	I _E =100 μA, I _C =0	5			V
Collector Cut-off Current	I _{CBO}	$V_{CB}=30V$, $I_{E}=0$			0.1	μA
DC Current Gain	h _{FE}	$V_{CE}=1V$, $I_{C}=100mA$	70		400	
Collector-Emitter Saturation Voltage	V _{CE} (sat)	$I_C=1A, I_B=0.1A$			0.5	V
Base-Emitter Saturation Voltage	V _{BE} (sat)	$I_{C}=1A, I_{B}=0.1A$			1.2	V
Current Gain-Band Width Product	f _T	$V_{CE}=6V$, $I_{C}=10mA$		130		MHz
Collector-Emitter Saturation Voltage	V _{CE} (sat)	$V_{CB}=6V$, $I_{E}=0$, $f=1MHz$		16		pF

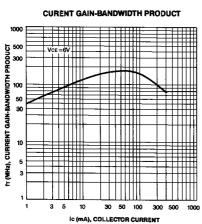
h_{FE} CLASSIFICATION

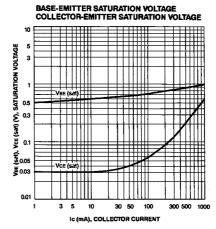
Classification	0	Y	G
h _{FE}	70-140	120-240	200-400

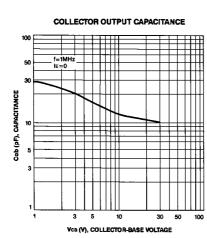


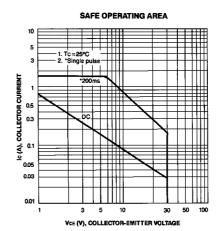














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