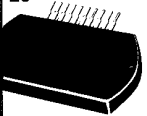


NEW*

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thick film IC

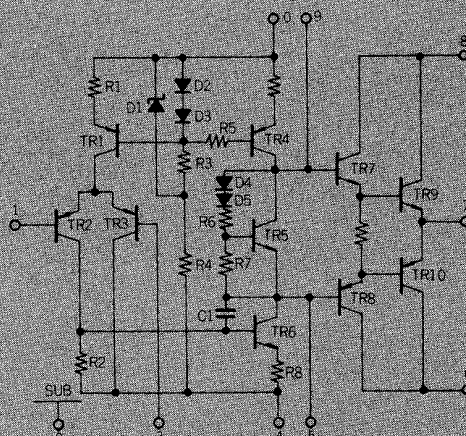
**STK-055, 057
058, 060, 062**

**15 to 35 W min AF
POWER AMP**

Features

- ©IMST, 1 Channel by 2 Power Supplies
- AF output power STK-055: 15W min., STK-057: 20W min., STK-058: 24W min., STK-060: 30W min., STK-062: 35W min.
- Direct driven, pure complementary P-P output
- Constant current driven differential amp.
- Capable of tone controlling

EQUIVALENT CIRCUIT



ABSOLUTE MAXIMUM RATINGS / $T_a=25^\circ\text{C}$ STK-055 STK-057 STK-058 STK-060 STK-062

Maximum Supply Voltage	V_{cc} max	± 28	± 32	± 35	± 39	± 43	V
Operating Case Temperature	T_C	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	85	$^\circ\text{C}$
Storage Temperature	T_{stg}	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	-30 to +100	$^\circ\text{C}$
Allowable Load Shorting Time (in appointed condition)	t_s	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	2	sec

RECOMMENDED OPERATION CONDITION / $T_a=25^\circ\text{C}$

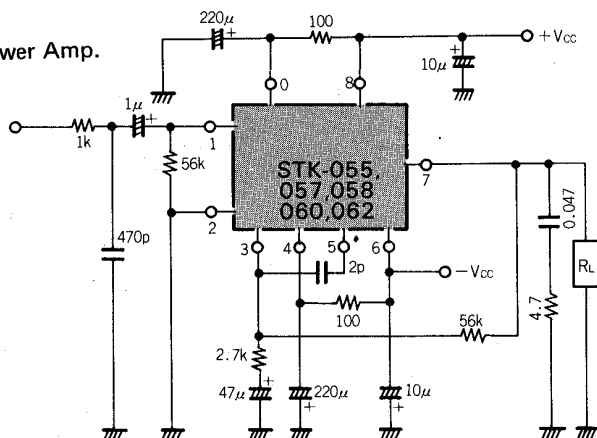
STK-055 STK-057 STK-058 STK-060 STK-062

Supply Voltage	V_{cc}	± 20	± 22	± 25	± 27	± 30	V
Load Resistance	R_L	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	8	Ω

OPERATION CHARACTERISTICS / $T_a=25^\circ\text{C}$, recommended operating condition, $R_g=600\Omega$, $V_G=26.4\text{dB}$

			STK-055	STK-057	STK-058	STK-060	STK-062	unit
Quiescent current	I_{cco}	recommended V_{cc}	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	100	mA max
Output Power	$P_o(1)$	THD=0.3%, $f=20$ to 20kHz	15	20	—	—	—	Wmin
	$P_o(2)$	THD=0.2%, $f=20$ to 20kHz	—	—	24	30	35	Wmin
Distortion	THD	$f=20$ to 20kHz , rated output power	0.3	0.3	0.2	0.2	0.2	%max
Input Resistance	r_i	$P_o=1\text{W}$, $f=1\text{kHz}$	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	52k	Ω
Frequency Response	f	$P_o=1\text{W}$, $\pm 9\text{dB}$	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	10 to 100k	Hz

APPLICATION: AF Power Amp.



See operation characteristics on this specification.