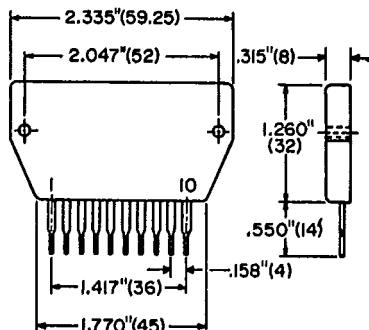
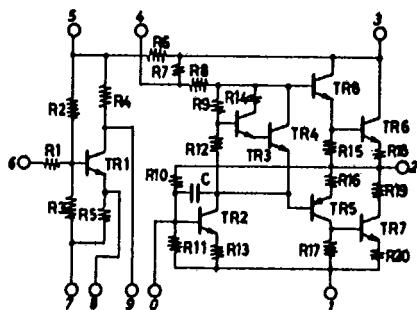


### Features

- Thick film hybrid
- Minimum output power - 15 W

### Equivalent Circuit



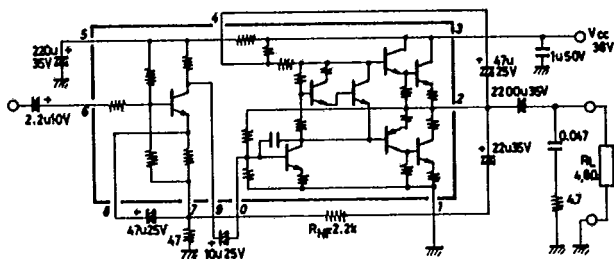
### Absolute Maximum Ratings ( $T_A =$

Characteristic	Symbol	Rating	Unit
Supply Voltage	$V_{CC}$ (Pin 3 to 1)	54	V
Operating Case Temperature	$T_C$	85	$^{\circ}C$
Storage Temperature	$T_{stg}$	-30 to +100	$^{\circ}C$
Allowable Load Shorting Time	$t_s$ $P_o = 15 W$ $f = 50 Hz$	2	sec

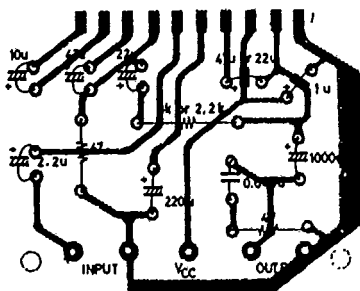
### Operational Characteristics ( $T_A = 25^{\circ}C$ , $V_{CC} = 38 V$ , $R_L = 8 \Omega$ , $f = 1 kHz$ , $R_g = 600 \Omega$ )

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Quiescent Current	$I_{CCO}$		10	20	50	mA
Output Power	$P_o$	THD = 1.0%	15			W
Voltage Gain	VG	$P_o = 0.1 W$	32	33	34	dB
Input Resistance	$r_i$	$P_o = 0.1 W$	30K	40K		$\Omega$
Output Resistance	$r_o$	$P_o = 0.1 W$		0.2		$\Omega$
Distortion	THD	$P_o = 0.1 W$			0.3	%
Power Bandwidth	PBW	THD = 1.0%, -3 dB	30 to 30 K			Hz
Output Noise Voltage	$V_{NO}$	$R_g = 2.2 k\Omega$			0.8	mVrms
Frequency Channel High	$f_{CH}$	$V_i = 50 mV$ , -3 dB	50 K			Hz
Frequency Channel Low	$f_{CL}$	$V_i = 50 mV$ , -3 dB			30	Hz

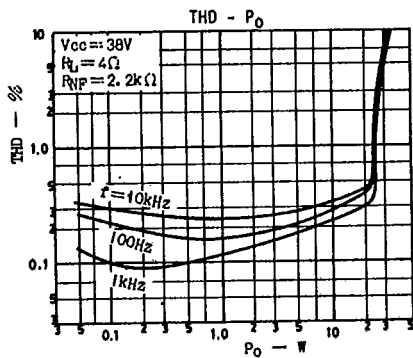
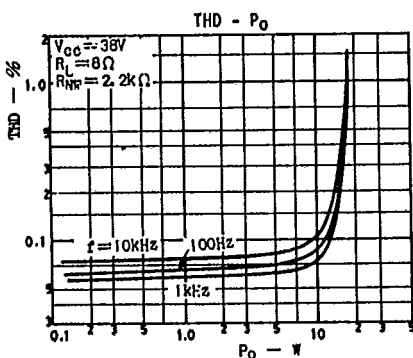
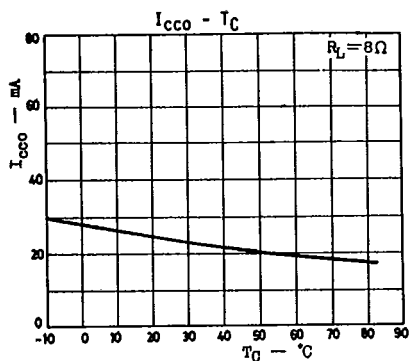
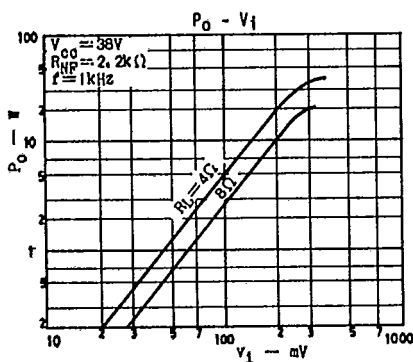
## Application



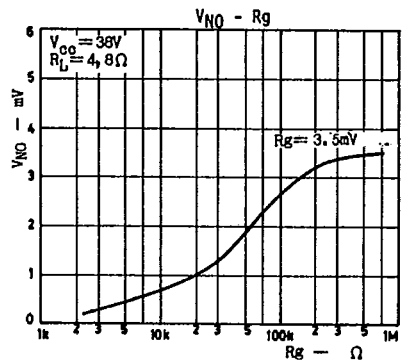
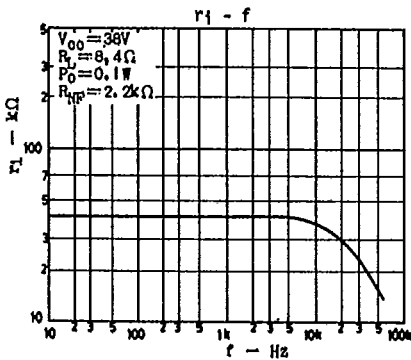
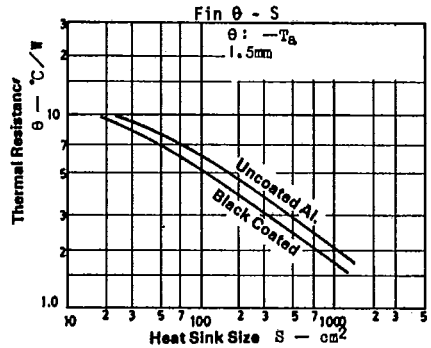
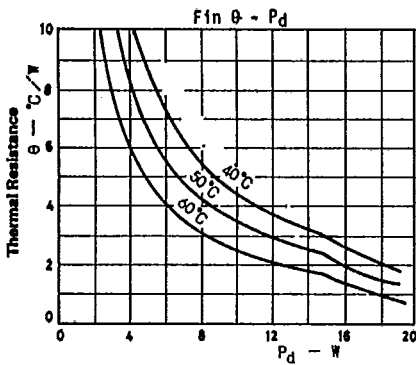
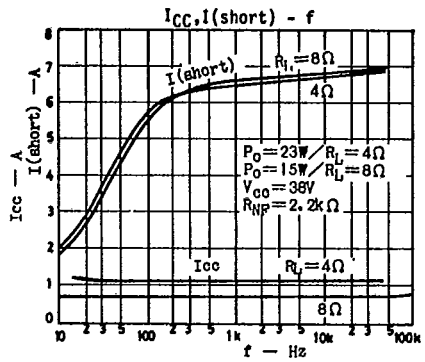
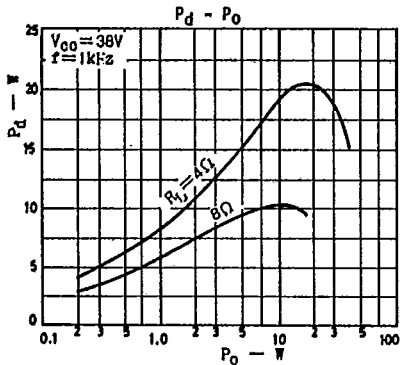
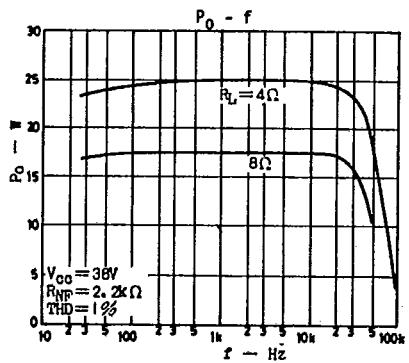
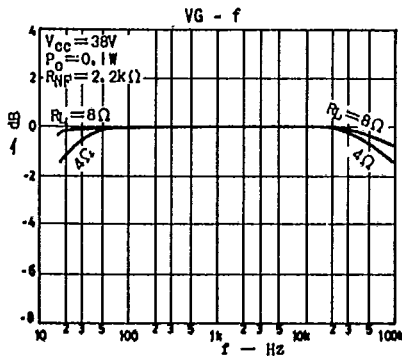
## PC Board



## Typical Characteristics

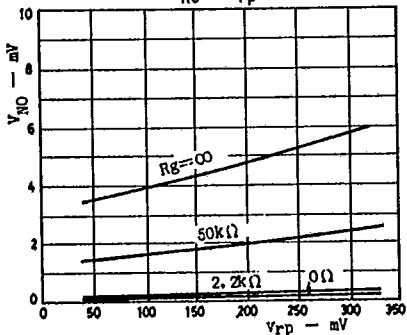


**Typical Characteristics (Cont.)**

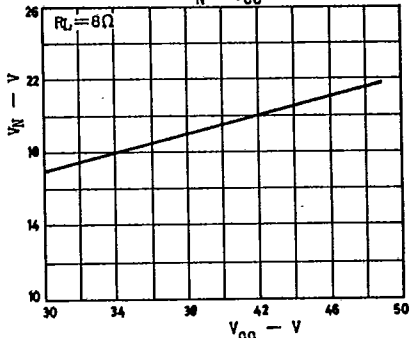


# Typical Characteristics (Cont.)

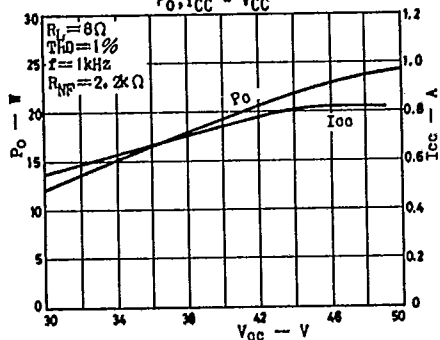
$V_{NO} - V_{rp}$



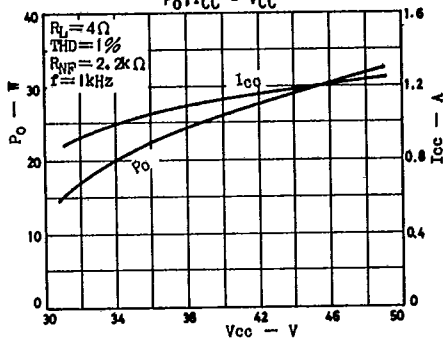
$V_N - V_{CC}$



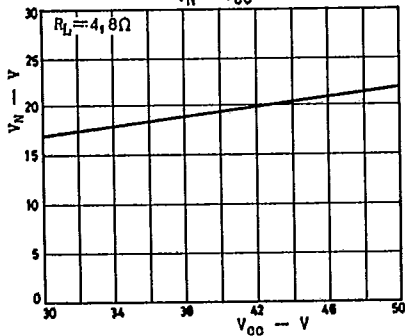
$P_o, I_{CC} - V_{CC}$



$P_o, I_{CC} - V_{CC}$



$V_N - V_{CC}$



$I_{CCO} - V_{CC}$

