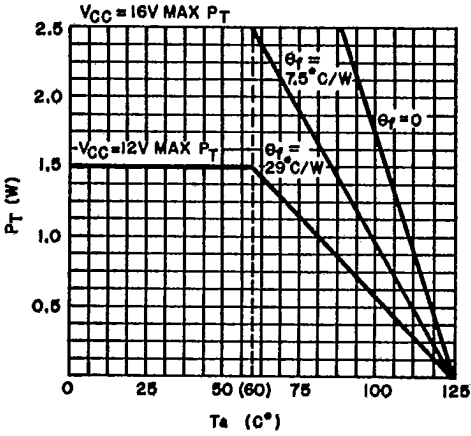


ECG1034

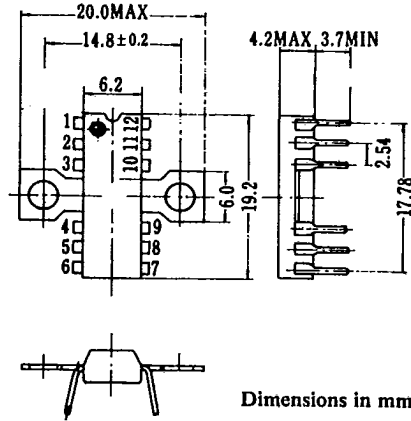
2W OTL AUDIO POWER AMPLIFIER

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MAXIMUM POWER DISSIPATION CURVE

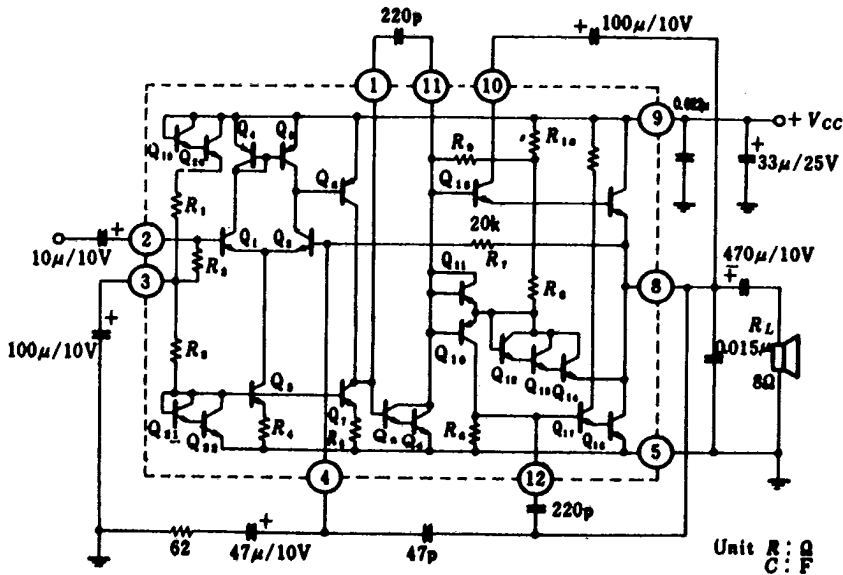


PACKAGE



Dimensions in mm

CIRCUIT SCHEMATIC & EXTERNAL PARTS



Unit R : Ω
C : F

585

ECG1034

ELECTRICAL CHARACTERISTICS ($V_{cc} = 12\text{ V}$, $f = 1\text{ kHz}$,
 $R_L = 8\text{ Ohms}$, $T_a = 25^\circ\text{C}$)

T-74-05-01

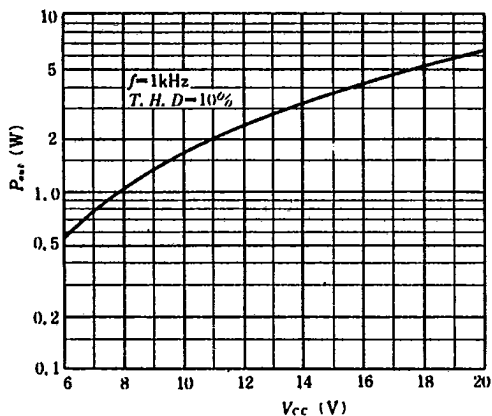
Symbol	Test Conditions	Min.	Typ.	Max.	Unit
$G_V(\text{OL})$		--	90	--	dB
G_V		--	50	--	dB
T.H.D	$P_{out} = 50\text{ mW}$	--	0.2	1.0	%
P_{out}	T.H.D = 5%	1.6	2.0	--	W
S/N	$R_g = 0$, $P_{out} = 50\text{ mW}$, with $f = 20\text{ kHz L.P.F}$	--	66	--	dB
R_{in}		12	20	--	k Ohm

ABSOLUTE MAXIMUM RATINGS

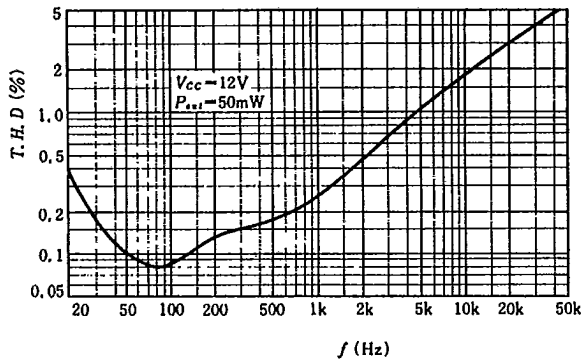
V_{cc} 20 V
 I_o (peak) 1.4 A
 P_t^* 2.5 W
 T_{opr}^{**} $-30 \sim +70^\circ\text{C}$
 T_{stg} $-55 \sim +125^\circ\text{C}$

* With heat sink $\theta f = 7.5^\circ\text{C/W}$
 ** Value when attach on the heat sink
 plate ($\theta f = 29^\circ\text{C/W}$) at $P_t = 1.2\text{ W}$

OUTPUT POWER VS. SUPPLY VOLTAGE

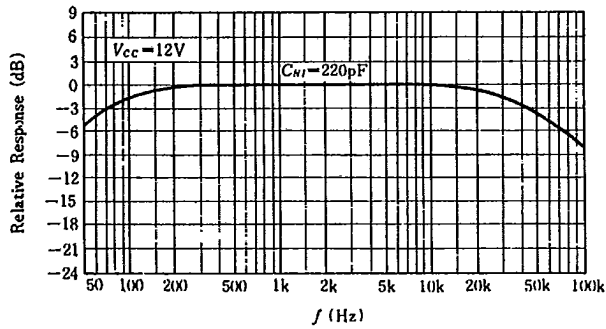


TOTAL HARMONIC DISTORTION VS. FREQUENCY



T-74-05-01

FREQUENCY CHARACTERISTIC



TOTAL HARMONIC DISTORTION VS. OUTPUT POWER

