ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE1704
Integrated Circuit
Audio Power Amplifier, 1.2W

Features:
- Incorporating Automatic Operating Point Stabilizer
- Low Noise
- Variable Frequency Characteristics
- Few External Components Required

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)
Supply Voltage, V_{CC} 18V
Supply Current, I_{CC} 2A
Power Dissipation (T_A = +30°C), P_D 1.5W
Operating Ambient Temperature Range, T_{opr} . . . . . –20° to +75°C
Storage Temperatuere Range, T_{stg} . . . . . –40° to +150°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 9V, R_L = 8Ω, f = 1kHz unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Circuit Current	I_{CQ}	V_i = 0	10	20	50	mA
Voltage Gain	G_{VC}	V_i = 5mV	43	46	49	dB
Output Power	P_O	THD = 10%	0.8	1.2	–	W
		V_{CC} = 6V, R_L = 8Ω, THD = 10%	–	0.55	–	W
		V_{CC} = 6V, R_L = 4Ω, THD = 10%	–	0.9	–	W
Total Harmonic Distortion	THD	V_i = 5mV	–	0.5	1.5	%
Output Noise Voltage	V_{no}	R_g = 10kΩ	–	0.5	1.2	mV
Input Impedance	Z_i		–	25	–	kΩ

Pin Connection Diagram
(Front View)