



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089
<http://www.nteinc.com>

NTE1363 Integrated Circuit Audio Power Amp, 4.2W

Features:

- Automatic Operating Point Stabilizer
- Low Noise
- Variable Frequency Characteristics

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Supply Voltage, V_{CC}	18V
Supply Current, I_{CC}	3A
Power Dissipation ($T_A = +30^\circ\text{C}$), P_D	10W
Operating Temperature, T_{opr}	-30° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+150^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 13.2\text{V}$, $f = 1\text{kHz}$, $R_L = 4\Omega$)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}	$V_i = 0$	10	20	50	mA
Voltage Gain	G_V	$V_i = 5\text{mV}$	43	46	49	dB
Output Power	P_O	THD = 10%	3.7	4.2	–	W
Total Harmonic Distortion	THD	$V_i = 5\text{mV}$	–	0.4	1.5	%
Output Noise Voltage	V_{NO}	$R_g = 10\text{k}\Omega$	–	0.5	1.2	mV
Input Impedance	Z_i		–	25	–	$\text{k}\Omega$

Pin Connection Diagram

