



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

NTE1369 Integrated Circuit Audio Power Amplifier, 5.5W

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

Supply Voltage, V_{CC}	
Operation	20V
Without Signal	24V
Supply Current, I_{CC}	4A
Power Dissipation, P_D	25W
Operating Ambient Temperature Range, T_{opr}	-30° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+150^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CQ}	$V_i = 0$	20	30	75	mA
Voltage Gain	G_V	$V_i = 4\text{mV}$	50	52	54	dB
Non-Distortional Maximum Output Power	P_O	THD = 10%	4.8	5.5	–	W
Total Harmonic Distortion	THD	$V_i = 4\text{mV}$	–	0.1	1.0	%
Output Noise Voltage	V_{no}	$R_g = 10\text{k}\Omega$	–	1	3	mV
Input Resistance	r_i		20	30	–	$\text{k}\Omega$

