



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

NTE1371 Integrated Circuit Dual, Audio Power Amp, 5.3W/Ch.

Features:

- Built-in Protector Circuits (for surge and thermal, etc.)
- Built-in Automatic Operating Point Stabilized Circuit
- Low Distortion, Low L/F Noise
- Small Transient Noise at Power ON/OFF Switching
- Good Channel Separation
- Few External Components

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

Supply Voltage (Note 1), V_{CC}	20V
Peak Supply Voltage (Note 2), V_{SURGE}	40V
Total Current, I_{CC}	4A
Power Dissipation ($T_A = +30^\circ\text{C}$), P_D	30W
Operating Temperature, T_{opr}	-30° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55° to $+150^\circ\text{C}$

Note 1. Operating Mode $V_{CC} = 20\text{V}$ (Stabilized Power Supply Source)

Note 2. Pulse Applying Time $t = 0.2\text{sec}$.

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}	$V_i = 0$	40	70	120	mA
Voltage Gain	G_V	$V_i = 3\text{mV}$	52	54	56	dB
Output Power	P_O	THD = 10%	4.8	5.5	–	W
Total Harmonic Distortion	THD	$V_i = 3\text{mV}$	–	0.15	1	%
Output Noise Voltage	V_{NO}	$R_g = 10\text{k}\Omega$	–	1	3	mV
Channel Balance	CB	$V_i = 3\text{mV}$	–	0	1	dB
Seperation	Sep		45	50	–	dB
Ripple Suppression	RR	$f = 60\text{Hz}$, $R_g = 600\Omega$	–	25	–	kΩ

Pin Connection Diagram

