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## 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, $T_{opr}$ .....	$-30^\circ$ to $+75^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-55^\circ$ 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	–	k $\Omega$

### Pin Connection Diagram

