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## 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, $T_{opr}$ .....	$-30^\circ$ to $+75^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-40^\circ$ 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

