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NTE1449 Integrated Circuit Low Noise Equalizer Amp

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

Supply Voltage, V_{CC} 36V
Power Dissipation, ($T_A \leq 80^\circ\text{C}$), P_D 200mW
Operating Temperature Range, T_{opr} -20° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg} -40° to $+125^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---------------------------|----------|---------------------------|-----|------|-----|---------------|
| Circuit Current | I_{CC} | | – | 3.5 | 4.5 | mA |
| Voltage Gain | V_G | | 38 | 40 | 42 | dB |
| Output Voltage Gain | V_{GO} | | 85 | 89 | – | dB |
| Output Voltage | V_O | THD = 0.1% | 6 | 8 | – | V |
| Total Harmonic Distortion | THD | $V_O = 2V$ | – | 0.05 | – | % |
| Input Resistance | r_i | | – | 200 | – | k Ω |
| Input Voltage | V_{NI} | $R_g = 2.2k\Omega$, RIAA | – | 1 | 2 | μV |

Pin Connection Diagram

