

NTE1481 Integrated Circuit Dual Recording Output Amplifier

Applications:

- Suitable for dual amplifiers of line output, of recording output, or headphone driving.

Features:

- Wide operation voltage range
- Small pop noise
- Dual amplifiers installed

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

Maximum Supply Voltage, V_{CCmax}	22V
Current Dissipation (Pin2: Flow In, Pin7, Pin8: Flow Out Only), I_{CC}	0.5A
Allowable Power Dissipation, P_{Dmax}	1.05W
Operating Temperature Range, T_{opr}	-20° to $+70^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+150^\circ\text{C}$

Recommended Operation Condition: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Recommended Supply Voltage, V_{CC}	12V
Load Resistance, R_L	39Ω

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 12\text{V}$, $R_L = 39\Omega$, $f = 1\text{kHz}$, $R_g = 600\Omega$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_{CCO}		5	8	15	mA
Voltage Gain	V_G		-	38	-	dB
Output Voltage	V_O	THD = 1%	1.9	2.2	-	V
Total Harmonic Distortion	THD	$V_O = 1\text{V}$	-	0.1	0.5	%
Input Resistance	r_i	$V_O = 1\text{V}$	20	30	40	$k\Omega$
Output Noise Voltage	V_{NO}	$R_g = 1k\Omega$, $f = 15\text{Hz}$ to 30kHz	-	100	200	μV
Separation			-45	-65	-	dB
Channel Balance			-	-	1	dB

Pin Connection Diagram

