ELECTRONICS, INC.
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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°C unless otherwise specified)

Maximum Supply Voltage, V_{CC}max 22V
Current Dissipation (Pin2: Flow In, Pin7, Pin8: Flow Out Only), I_{CC} 0.5A
Allowable Power Dissipation, $P_D$max 1.05W
Operating Temperature Range, T_{opr} . . . . . –20° to +70°C
Storage Temperature Range, T_{stg} . . . . . –40° to +150°C

Recommended Operation Condition: (T_A = +25°C unless otherwise specified)

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

Electrical Characteristics: (T_A = +25°C, V_{CC} = 12V, R_L = 39Ω, f = 1kHz, R_g = 600Ω 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 = 1V	–	0.1	0.5	%
Input Resistance	r_i	V_O = 1V	20	30	40	kΩ
Output Noise Voltage	V_{NO}	R_g = 1kΩ, f = 15Hz to 30kHz	–	100	200	μV
Separation			–45	–65	–	dB
Channel Balance			–	–	1	dB

Pin Connection Diagram