ELECTRONICS, INC.
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NTE1480
Integrated Circuit
2–Channel Audio Preamp

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, V_{CC} 30V
Power Dissipation, P_D 540mW
Operating Ambient Temperature Range, T_{opr} . . . . . –20° to +75°C
Storage Temperature Range, T_{stg} . . . . . –30° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 25V unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Quiescent Current	I_Q	2–Channe; Total	8.9	11.9	17.8	mA
Open–loop Voltage Gain	$G_{V(OL)}$	f = 1kHz	80	95	–	dB
Output Voltage	V_{OUT}	f = 1kHz, R_L = 10kΩ, THD = 10%	6.0	7.5	–	V
Total Harmonic Distortion	THD	f = 1kHz, V_{OUT} = 1V	–	0.02	0.05	%
Total Equivalent Input Noise	WBN	R_g = 3.3kΩ, BW = 30Hz to 30kHz	–	1.0	2.0	μV

Pin Connection Diagram