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NTE1480 Integrated Circuit 2-Channel Audio Preamp

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

Supply Voltage, V_{CC} 30V
 Power Dissipation, P_D 540mW
 Operating Ambient Temperature Range, T_{opr} -20° to $+75^\circ\text{C}$
 Storage Temperature Range, T_{stg} -30° to $+125^\circ\text{C}$

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

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

Pin Connection Diagram

