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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, $T_{opr}$ .....	$-20^\circ$ to $+75^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-30^\circ$ 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	$\mu\text{V}$

**Pin Connection Diagram**

