



ELECTRONICS, INC.
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NTE1215 Integrated Circuit Stereo Equalizer Amplifier

Features:

- Good Voltage and Thermal Regulation
- Small Shock Noise at Switching ON
- Low Distortion, High S/N

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

Supply Voltage, V_{CC} 15V
 Power Dissipation, P_D 100mW
 Operating Temperature Range, T_{opg} -20° to $+80^\circ\text{C}$
 Storage Temperature Range, T_{stg} -40° to $+125^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 9\text{V}$, $R_L = 10\text{k}\Omega$, $R_G = 600\Omega$, $f = 1\text{kHz}$, unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Dissipation Current	I_{CC}	One Channel	-	1.3	-	mA
Voltage Gain	V_G	Open Loop	75	80	-	dB
		NAB 9.5cm/s	43	45	47	dB
Gain Difference		Between 2 Channel	-	-	0.5	dB
Output Voltage	V_O	THD = 1%	1.0	1.5	-	V
Total Harmonic Distortion	THD	$V_O = 0.5\text{V}$	-	0.1	-	%
Input Resistance	R_i		80	-	-	k Ω
Noise Voltage Converted to Input	V_{NI}	$R_G = 20\text{k}\Omega$, Flat	-	2.5	3.5	μV
Cross Talking		$V_O = 1\text{V}$	-	-70	-	dB

Pin Connection Diagram

