



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	–	–	$\text{k}\Omega$
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

