



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089
<http://www.nteinc.com>

NTE1021 Integrated Circuit Module, Low Noise Equalizer Amp

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

Maximum Supply Voltage, V_{CCmax}	20V
Maximum Power Dissipation, P_d	200mW
Operating Temperature Range, T_{opr}	-20° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg}	-20° to $+100^\circ\text{C}$

Recommended Operating Conditions: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Voltage Gain	VG	Open Loop (NFB)	-	66	-	dB
Output Voltage	V_O	KF = 1.0%	1.3	1.6	-	V
Total Harmonic Distortion	R_i		80	90	-	k Ω
Equivalent Input Noise Voltage	V_{Ni}	$R_g = 2\text{k}\Omega$	-	1.0	2.0	μV

Pin Connection Diagram
 (Front View)

