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## NTE1021 Integrated Circuit Module, Low Noise Equalizer Amp

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

Maximum Supply Voltage, $V_{CC\text{max}}$ .....	20V
Maximum Power Dissipation, $P_d$ .....	200mW
Operating Temperature Range, $T_{opr}$ .....	$-20^\circ$ to $+80^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-20^\circ$ 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 $\Omega$
Equivalent Input Noise Voltage	$V_{Ni}$	$R_g = 2\text{k}\Omega$	-	1.0	2.0	$\mu\text{V}$

**Pin Connection Diagram**  
(Front View)

