ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089

NTE1019
Integrated Circuit
Module, Hybrid, Low Noise Equalizer Amp

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Supply Voltage, V_{CC}max 30V
Power Dissipation, $P_D$max 300mW
Storage Temperature Range, T_{stg} . . . . . –20° to +100°C

Recommended Operating Conditions: (T_A = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Supply Voltage	V_{CC}		–	20	–	V

Electrical Characteristics: (V_{CC} = 20V, T_A = +25°C, f = 1kHz, R_g = 600Ω, R_L = 51kΩ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Gain Voltage	V_G	Open Loop	62	65	–	dB
		Closed Loop	34.0	35.5	37.0	dB
Total Harmonic Distortion	THD	V_O = 1V	–	–	0.01	%
Output Voltage	V_O		4.5	–	–	V
Input Resistance	r_i		100	110	–	kΩ
Input Noise Voltage	V_{NI}	R_g = 2kΩ	–	1.0	–	μV
Output Noise Voltage	V_{NO}	R_g = 2kΩ	–	–	12	mV

Pin Connection Diagram
(Front View)