ELECTRONICS, INC.
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NTE1457
Integrated Circuit
Low Noise, Equailizer Amp

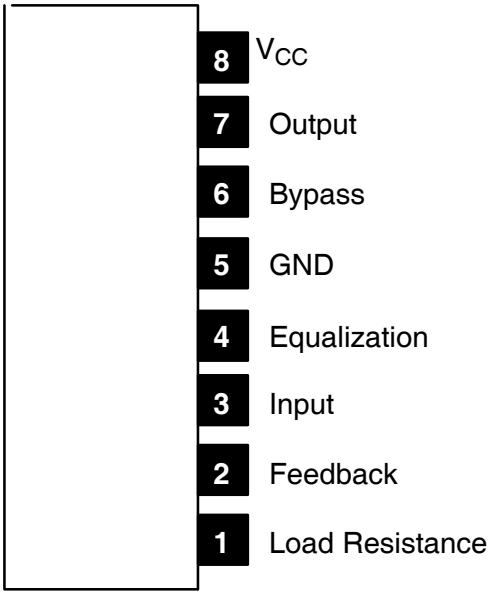
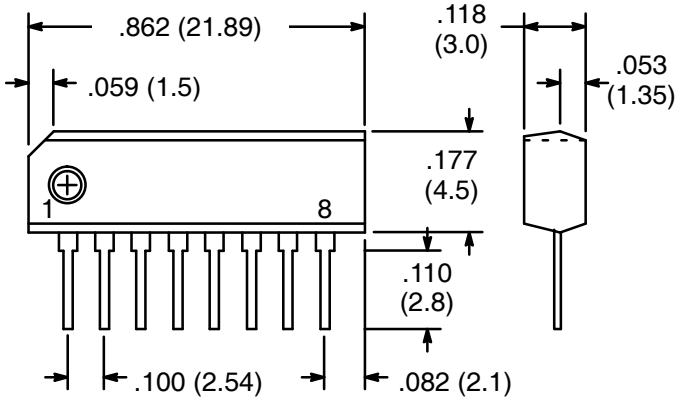
Absolute Maximum Ratings:

Supply Voltage, V_{CC} 28V
Power Dissipation ($T_A \le +80°C$), P_D 100mW
Operating Temperature Range, T_{opt} . . . . . –20° to +80°C
Storage Temperature Range, T_{stg} . . . . . –40 to +125°C

Recommended Operating Condition:

Supply Voltage, V_{CC} 20V
Load Resistance, R_L 47kΩ

Electrical Characteristics: (T_A = +25°C, V_{CC} = 20V, f = 1kHz, R_L = 47kΩ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Supply Current	I_{CC}		–	3.0	4.0	mA
Voltage Gain	V_G		38	40	42	dB
Output Voltage	V_O	THD = 0.2%	3.0	4.0	–	V
Total Harmonic Distortion	THD	V_O = 2V	–	0.05	–	%
Input Resistance	r_i		–	200	–	kΩ
Input Noise Voltage	V_{NI}	R_g = 2.2kΩ, RIAA	–	1.0	2.0	μV

Pin Connection Diagram
(Front View)