ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
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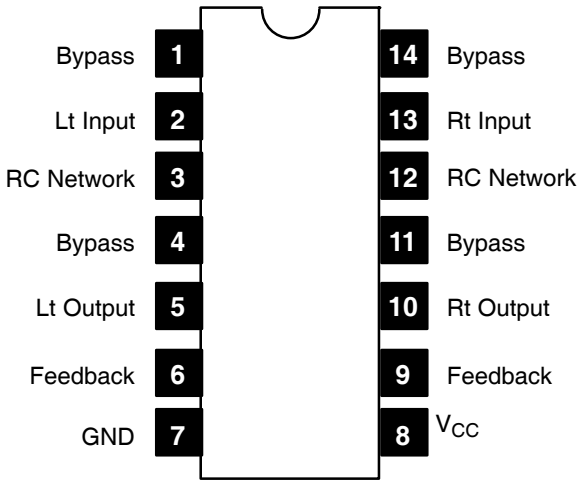
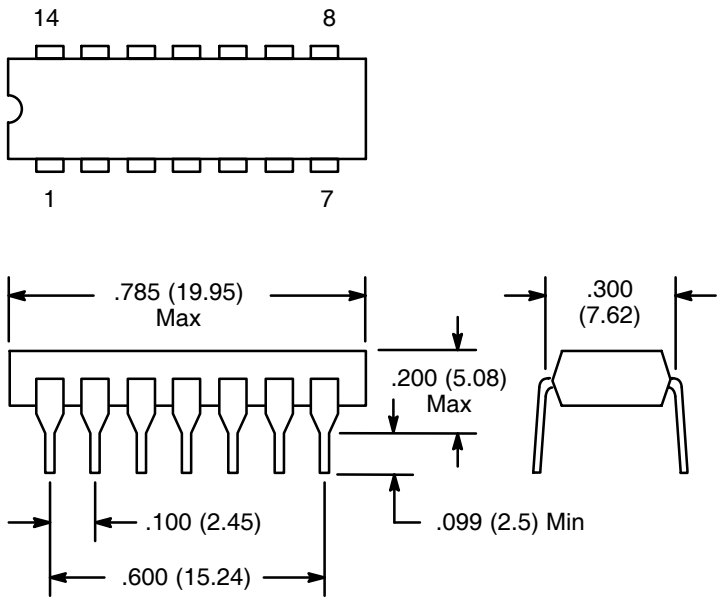
NTE1451
Integrated Circuit
2–Channel, Low Noise, Equalizer Amp

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

Supply Voltage, V_{CC} 36V
Power Dissipation, P_D 350mW
Operating Temperature Range, T_{opr} . . . . . –20° to +80°C
Storage Temperature Range, T_{stg} . . . . . –40° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 30V, R_L = 47kΩ, f = 1kHz, unless othwerwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Circuit Current	I_{CC}		–	7	10	mA
Voltage Gain	V_G		38	40	42	dB
Output Voltage Gain	V_{GO}		85	89	–	dB
Output Voltage	V_O	THD = 0.1%	6	8	–	V
Total Harmonic Distortion	THD	V_O = 2V	–	0.05	0.1	%
Input Resistance	r_i		–	200	–	kΩ
Input Voltage	V_{IN}	R_g = 2.3kΩ, RIAA	–	1	2	μV

Pin Connection Diagram