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

NTE1241
Integrated Circuit
Head Coil/Meter Driver

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

Supply Voltage, V_{CC} 15V
Power Dissipation, P_D 550mW
Operating Temperature Range, T_{opr} . . . . . –25° to +75°C
Storage Temperature Range, T_{stg} . . . . . –55° to +125°C

Electrical Characteristics: (T_A = +25°C, V_{CC} = 5V, f = 1kHz unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Voltage Gain	G_{VO}	S1, S2, S3 = 1	18.0	22.5	27.0	dB
		S1 = 2, S3 = 1	21.5	25.5	29.5	dB
Output Current	I_{OM}	S1, S3 = 1, S2 = 2, R_L = 1kΩ, THD = 3%	250	460	–	μA
Inout Impedance	Z_{in}	S1, S2 = 1, S3 = 2	5	22	–	kΩ
		S1 = 2, S3 = 2	5	22	–	kΩ
Output Impedance	Z_{out}	S1, S2, S3 = 1	12	17	–	kΩ
Load Impedance	Z_{3-4}	Pin3 to Pin4	0.75	1.2	1.8	kΩ
Output Voltage	V_{OM}	S1, S3 = 1, THD = 10%	0.6	0.8	–	V
Supply Current	I_{CC}		3.2	5.0	9.0	mA

Pin Connection Diagram
(Front View)