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NTE1241 Integrated Circuit Head Coil/Meter Driver

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

Supply Voltage, V_{CC} 15V
 Power Dissipation, P_D 550mW
 Operating Temperature Range, T_{opr} -25° to $+75^\circ\text{C}$
 Storage Temperature Range, T_{stg} -55° to $+125^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$, $V_{CC} = 5\text{V}$, $f = 1\text{kHz}$ 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, $R_L = 1\text{k}\Omega$, THD = 3%	250	460	-	μA
Inout Impedance	Z_{in}	S1, S2 = 1, S3 = 2	5	22	-	$\text{k}\Omega$
		S1 = 2, S3 = 2	5	22	-	$\text{k}\Omega$
Output Impedance	Z_{out}	S1, S2, S3 = 1	12	17	-	$\text{k}\Omega$
Load Impedance	Z_{3-4}	Pin3 to Pin4	0.75	1.2	1.8	$\text{k}\Omega$
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)

