

**Title: PRO AUDIO TRANSFORMERS NTL1 / NTM1 / NTM4****General Description**

NTL1 is a line transformer intended to balance amplifier outputs for line driving up to +24 dBm.

NTM1 and NTM4 are input transformers intended to match mic-level lines to active mic-input amplifiers. Existing center tap for phantom powering.

All types are designed for direct PCB mounting and are featuring electrostatic shielding between windings and heavy Mu-metal shielding/housing.

Electrical Data

<i>Parameter</i>	<i>Unit</i>	NTL1	NTM1	NTM4
Turns ratio (prim:sec)		1 : 1 ± 5%	1 : 1 ± 10%	1 : 4 ± 10%
Winding D.C. resistance - primary - secondary	Ω	1100 ± 5% 1350 ± 5%	85 ± 3% 105 ± 5%	105 ± 3% 1250 ± 5%
Primary inductance at 30 Hz	H	> 150	> 8	> 8
Typical source impedance	Ω	600	200	200
Max. input voltage for 1% THD at 30 Hz - with load 600 Ω: - with load 2 kΩ: - with load 10 kΩ: - with load 50 kΩ:	V rms	6 5 --- ---	1.2 0.9 --- ---	--- --- 1.2 0.8
Frequency response 20 Hz – 20 kHz ref. 1kHz	dB	+/- 1	+/- 1	+/- 1
Electric strength test voltage *	V ac	500	500	500

*: between windings (W1–W2) and between windings and shielding/housing (W1,W2–SH)