

MLM SERIES

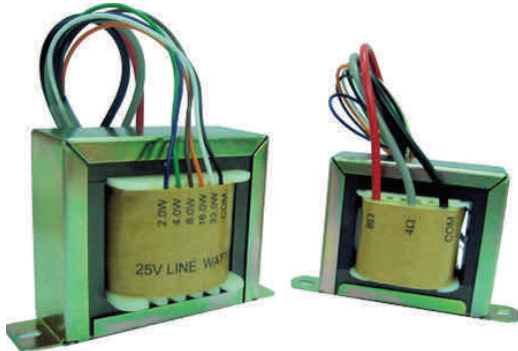
Line Matching Audio Transformers

MINNTRONIX

Wind Up the Best®



Phone: 1.605.884.0195
Fax: 1.605.884.0199
www.minntronix.com



- Couples 4 or 8 ohms speakers to 25 70.7, or 100 volt line outputs of amplifiers.
- Up to 5 power tap levels available (except 100 Volt which has 4).
- Primary taps marked in watts (no calculation necessary), to match speaker power.
- Frequency response reference @ 1KHz. at full rated power.
- Insertion loss reference @ 1KHz. at full rated power.
- Distortion reference @ 100Hz. at full rated power.
- Efficiency reference @ 1KHz. at full rated power each tap across 4 or 8 ohms resistive load.
- Maximum ambient temperature: 50°C.
- Connections: 150 ±10 m/m multi stranded PVC wire. Stripped and tinned.
- Horizontal, channel bracket, 2-hole mounting (except 100 Voltage 50W which has 4-hole).
- Total power requirements of speakers should not exceed the rated power of each transformer or rated power of the amplifier.

Line Matching Audio Transformers



Phone: 1.605.884.0195
 Fax: 1.605.884.0199
 www.minntronix.com

MLM SERIES

- 25 Volt Line Matching Audio Transformer

Part Number	Power Rating Watts	Impedance		Insertion Loss max (dB)	Frequency Response (dB)	Distortion max	Efficiency min	Dimensions - inches			
		Primary	Secondary					Case (max)			Mounting (typ.)
		ohms						L	W	H	MN
MLM-0250021	2 / 1 / 0.5 / 0.25 / 0.125	312.5 / 625 / 1.25K / 2.5K / 5K	4 / 8	1.5	50Hz~15KHz±2.0	1.5%	75%	1.45	1.15	1.25	1.80
MLM-0250041	4 / 2 / 1 / 0.5 / 0.25	156 / 312.5 / 625 / 1.25K / 2.5K	4 / 8	1.5	50Hz~15KHz±1.5	1.25%	75%	1.70	1.40	1.45	2.10
MLM-0250081	8 / 4 / 2 / 1 / 0.5	78 / 156 / 312.5 / 625 / 1.25K	4 / 8	1.25	50Hz~15KHz±1.5	1.25%	75%	2.00	1.50	1.70	2.40
MLM-0250161	16 / 8 / 4 / 2 / 1	39 / 78 / 156 / 312.5 / 625	4 / 8	1.25	50Hz~12KHz±2.0	1.25%	78%	2.35	1.55	2.00	2.80
MLM-0250321	32 / 16 / 8 / 4 / 2	19.5 / 39 / 78 / 156 / 312.5	4 / 8	1.0	45Hz~12KHz±3.0	1.0%	80%	2.70	1.95	2.30	3.20

- 70.7 Volt Line Matching Audio Transformer

Part Number	Power Rating Watts	Impedance		Insertion Loss max (dB)	Frequency Response (dB)	Distortion max	Efficiency min	Dimensions - inches			
		Primary	Secondary					Case (max)			Mounting (typ.)
		ohms						L	W	H	MN
MLM-0700021	2 / 1 / 0.5 / 0.25 / 0.125	2.5K / 5K / 10K / 20K / 40K	4 / 8	1.5	50Hz~15KHz±1.0	1.5%	70%	1.45	1.15	1.25	1.80
MLM-0700041	4 / 2 / 1 / 0.5 / 0.25	1.25K / 2.5K / 5K / 10K / 20K	4 / 8	1.5	50Hz~15KHz±1.0	1.25%	72.5%	1.70	1.40	1.45	2.10
MLM-0700081	8 / 4 / 2 / 1 / 0.5	625 / 1.25K / 2.5K / 5K / 10K	4 / 8	1.25	50Hz~15KHz±1.0	1.25%	80%	2.00	1.50	1.70	2.40
MLM-0700161	16 / 8 / 4 / 2 / 1	312.5 / 625 / 1.25K / 2.5K / 5K	4 / 8	1.25	50Hz~15KHz±1.0	1.25%	78%	2.35	1.55	2.00	2.80
MLM-0700321	32 / 16 / 8 / 4 / 2	156 / 312.5 / 625 / 1.25K / 2.5K	4 / 8	1.0	45Hz~15KHz±1.5	0.8%	80%	2.70	1.95	2.30	3.20
MLM-0700641	64 / 32 / 16 / 8 / 4	78 / 156 / 312.5 / 625 / 1.25K	4 / 8	1.0	40Hz~15KHz±3.0	0.6%	80%	3.10	2.50	2.65	3.55

- 25/70.7 Volt Line Matching Audio Transformer

Part Number	Power Rating Watts	Impedance		Insertion Loss max (dB)	Frequency Response (dB)	Distortion max	Efficiency min	Dimensions - inches			
		Primary	Secondary					Case (max)			Mounting (typ.)
		ohms						L	W	H	MN
MLM-0257001	2 / 1 / 0.5 / 0.25	312.5 / 625 / 1.25K / 2.5K / 5K / 10K / 20K	8	0.95	50Hz~15KHz±4.0	11%	81%	1.15	1.05	1.10	N/A

- 100 Volt Line Matching Audio Transformer

Part Number	Power Rating Watts	Impedance		Insertion Loss max (dB)	Frequency Response (dB)	Distortion max	Efficiency min	Dimensions - inches			
		Primary	Secondary					Case (max)			Mounting (typ.)
		ohms						L	W	H	MN
MLM-1000021	2 / 1 / 0.5 / 0.25	5K / 10K / 20K / 40K	4 / 8	1.0	50Hz~15KHz±2.0	2.5%	80%	1.70	1.40	1.45	2.10
MLM-1000051	5 / 2 / 1 / 0.5	2K / 5K / 10K / 20K	4 / 8	0.8	50Hz~15KHz±1.5	1.5%	80%	2.00	1.50	1.70	2.40
MLM-1000101	10 / 7.5 / 5 / 2.5	1K / 1.33K / 2K / 4K	4 / 8	0.6	50Hz~15KHz ±1.0	1.25%	85%	2.35	1.55	2.00	2.80
MLM-1000161	16 / 8 / 4 / 2	625 / 1.25K / 2.5K / 5K	8	1.0	50Hz~15KHz ±3.0	7%	75%	1.70	1.45	2.05	2.05
MLM-1000201	20 / 15 / 10 / 5	500 / 666 / 1K / 2K	4 / 8	0.5	45Hz~15KHz±1.0	1.25%	90%	2.70	1.95	2.30	3.20
MLM-1000301	30 / 20 / 15 / 10	333 / 500 / 666 / 1K	4 / 8	0.5	40Hz~15KHz±1.0	1.0%	90%	3.10	2.50	2.65	3.55
MLM-1000501	50 / 40 / 30 / 20	200 / 250 / 333 / 500	4 / 8	0.5	40Hz~15KHz±1.0	1.25%	90%	3.55	3.20	3.05	4.10