

PERFECT LAY WINDING Air Core Inductors

MADISOUND is now stocking **PERFECT LAY WINDING** audio inductors from Solen Engineering. These are audio grade inductors using 14 gauge wire with the following specifications:

- Perfect Lay Hexagonal Winding. Winding Space Factor: 86.7%
- Oxygen Content: Less than 200 parts per million on surface.
- Insulation: 130 degree centigrade Single coating Nylon-Polyurethane.
- Computer Optimized Coil Dimension.
- Encapsulation: Varnish dip coating with 4 nylon ties.
- No Saturation distortion: Test voltage 1500 VAC
- No Hysteresis distortion: Test voltage 1500 VAX
- Inductance tolerance: within 1% of value listed.
- Conductivity: Better than 101.5% of National Electrical and Manufacturing Association (NEMA) standard sample.
- Wire Diameter: .064 inches; 1.63 mm. High Purity Annealed Copper.



mH	DCΩ	Ht"	Ø"	Price	mH	DCΩ	Ht"	Ø"	Price	mH	DCΩ	Ht"	Ø"	Price
0.22	.08	.56	2.25	\$10.35	1.0	.21	.75	3.0	21.70	3.0	.42	.88	3.5	\$36.20
0.33	.10	.63	2.5	12.30	1.2	.26	.75	3.0	23.00	3.3	.45	1.0	4.0	36.50
0.39	.11	.63	2.5	13.60	1.5	.28	.75	3.0	25.10	3.7	.48	1.0	4.0	38.45
0.47	.13	.63	2.5	14.50	1.8	.30	.88	3.5	27.95	4.0	.50	1.0	4.0	40.35
0.56	.15	.63	2.5	16.05	2.0	.31	.88	3.5	29.80	4.5	.56	1.0	4.0	42.95
0.62	.16	.63	2.5	17.05	2.25	.33	.88	3.5	31.50	5.0	.59	1.0	4.0	45.10
0.68	.17	.75	3.0	17.40	2.5	.36	.88	3.5	31.65	5.5	.63	1.0	4.0	47.65
0.75	.18	.75	3.0	18.25	2.75	.39	.88	3.5	34.00	6.0	.67	1.0	4.0	50.70
0.82	.19	.75	3.0	19.25						21.0	1.4	1.5	6.0	93.60

CHATEAUROUX Polypropylene Solen Fast Caps

We are pleased to announce that we now have in stock **CHATEAUROUX METALLIZED POLYPROPYLENE CAPACITORS** of exceptional quality and excellent price. This type of dielectric has been characterized by Walter Jung as "outstanding" when compared with all other dielectrics in the areas of:

DISSIPATION FACTOR PERCENTAGE-DIELECTRIC ABSORPTION PERCENTAGE-STABILITY

- Low dissipation factor
- Low dielectric absorption factor
- High insulation resistance
- High frequency and temperature stability
- Good self healing characteristics of polypropylene dielectric
- High Current Capacity
- Excellent Over voltage and Pulse handling capability
- Low self inductance
- Low equivalent series resistance
- Excellent stability
- Leads: Tinned pure copper (not jacketed)
- Superior high frequency characteristics
- High Ionization level
- Dissipation factor @ 20o C: Less than .01 %.
- Dielectric: Polypropylene Film.
- Working Voltage: 400 VDC or higher.
- Test Voltage: 2.15 times rated voltage
- Capacitance tolerance: +/- 5%



Dimensions in mm:	8 ufd: 24 D, 38 L	35 ufd: 40 D, 53 L	80 ufd: 54 D, 65 L
1 ufd: 13 D, 23 L	12 ufd: 29 D, 38 L	40 ufd: 40D, 60 L	100 ufd: 56 D, 72 L
2 ufd: 16 D, 25 L	15 ufd: 29 D, 45 L	50 ufd: 45 D, 60 L	120 ufd: 61 D, 72 L
4 ufd: 18 D, 33 L	18 ufd: 31D, 45 L	60 ufd: 47 D, 65 L	150 ufd: 62 D, 85 L
6 ufd: 23D, 33 L	25 ufd: 34 D, 53 L	70 ufd: 49 D, 65 L	200 ufd: 62 D, 110 L

1.0 ufd	\$1.85	5.0 ufd	\$3.40	15.0 ufd	\$6.75	50.0 ufd	\$16.10
1.5	2.15	5.6	3.50	18.0	7.45	60.0	18.95
2.0	2.35	6.0	3.65	20.0	7.65	70.0	20.80
2.2	2.50	6.8	3.90	22.0	7.90	80.0	23.65
2.5	2.55	7.0	3.95	25.0	9.90	100.0	29.10
3.0	2.65	8.0	4.85	30.0	11.25	120.0	35.20
3.3	2.75	9.0	5.20	35.0	12.75	150.0	40.70
4.0	3.05	10.0	5.30	40.0	13.95	200.0	52.50
4.7	3.25	12.0	5.95	45.0	15.60		

Pairs matched to within 1% of each other; add 10%.