

Logicor

AMORPHOUS METAL TOROIDAL CORES FOR MAGNETIC AMPLIFIER APPLICATIONS IN MODERN ELECTRONICS PRODUCTS.

FORMS OF SUPPLY :

- Square hysteresis loop
- Very low reset current
- Very low core loss
- Robust durable and reliable
- Encapsulated in a tough UL fire rated epoxy resin

GENERAL PROPERTIES :

- Saturation Flux Density (Bs): 0.55 T
- Typical Squareness (Br/Bs): 90 %
- DC Coercivity (Hc): 0.6 A/m
- Core Loss: 120 W/Kg where B = 0.3T at 100KHz
- Curie Temperature: 210 °C
- Upper Operating Temperature: 100 °C
- Density: 7.70 g/cm³
- Resistivity (ρ): 135 μ cm
- Maximum Strip Thickness: 0.03 mm

LOGICOR CUSTOMER SERVICE

- Comprehensive range of Logicor products can be manufactured to specific customer size requirements
- Facilities allow for short lead times with many items ex-stock
- Despatch within 24 hours is possible at extra cost



Logicor Standard Range

Dimensions without coating							Dimensions with coating			
Core Code	Outside Diameter	Inside Diameter	Height	Weight (g)	Lm (cm)	Afe (cm ²)	Outside Diameter (Max)	Inside Diameter (Min)	Height (Max)	Weight (g) (Typical)
L5	11.5	10.0	5.0	0.85	3.38	0.02	12.5	8.5	6.0	1.0
L7	12.8	10.0	3.2	1.00	3.58	0.03	13.3	8.5	4.2	1.1
L11	13.0	10.0	5.0	1.56	3.61	0.05	13.5	8.5	6.0	1.8
L12	19.0	15.0	5.0	3.08	5.34	0.07	20.0	13.0	6.0	3.5
L13	14.0	10.0	5.0	2.18	3.77	0.07	15.0	8.5	6.0	2.3
L15	15.0	10.0	5.0	2.83	3.93	0.09	16.0	8.5	6.0	3.5
L16	16.5	10.0	5.0	3.91	4.16	0.12	17.5	8.5	6.0	4.4
L115	18.0	10.0	5.0	5.15	4.40	0.15	19.0	8.5	6.0	5.6
L19	20.0	12.5	8.0	8.84	5.11	0.23	22.0	10.5	10.0	9.7
L20	25.0	16.0	10.0	16.74	6.44	0.34	27.0	14.0	12.5	18.0
L22	19.0	15.0	10.0	6.17	5.34	0.15	20.0	13.0	12.5	6.8
L23	25.0	19.0	10.0	11.97	6.91	0.23	27.0	17.0	12.5	13.5
L233	22.0	12.5	10.0	14.87	5.42	0.36	24.0	10.5	12.5	16.5
L24	35.0	25.0	10.0	27.21	9.42	0.38	37.0	23.0	12.5	30.0
L28	28.0	16.0	20.0	47.90	6.91	0.90	30.0	14.0	23.0	52.5
LC1	17.4	12.5	6.3	4.19	4.70	0.12	19.0	10.5	8.0	5.0
LC2	22.6	17.0	8.4	8.45	6.22	0.18	24.0	15.0	10.0	9.6