

## Section 10 | Toroidal Power Inductors General Description and Features

### TOROIDAL POWER INDUCTORS

Many of the same features offered by our toroidal transformers are also true for our tor DC filtering and AC circuits. A toroidal DC filter choke for line frequency operation used in conjunction with a toroidal power transformer allows our engineering to design a small size transformer. Using toroidal DC filter chokes also reduces the size of the required filter capacitors.

Part Number	Current I DC (Amps)	Current RMS (Amps)	Inductance (mH)	Power (WS)	Core Losses (W)	Copper Losses (W)	OD x HT Inches (mm.)	Weight Lbs. (kg)
L0540	5	3.5	40	0.5	1.5	12.8	3.8 x 1.9 (97 x 48)	2.5 (1.1)
L0560	5	3.5	60	0.75	3	13.8	4.6 x 2.0 (117 x 51)	4 (1.8)
L1020	10	7	20	1	4	16.7	5.5 x 2.0 (140 x 51)	6 (2.7)
L1040	10	7	40	2	5	23.4	5.5 x 2.4 (140 x 61)	8 (3.6)
L1060	10	7	60	3	7	28.6	5.9 x 2.8 (150 x 71)	11.5 (5.2)
L1510	15	10.6	10	1.13	4	18.7	5.5 x 2.0 (140 x 51)	6 (2.7)
L1515	15	10.6	15	1.69	5	22.7	5.5 x 2.4 (140 x 61)	7.5 (3.4)
L1520	15	10.6	20	2.25	5	26.3	5.5 x 2.4 (140 x 61)	8 (3.6)
L1540	15	10.6	40	4.5	8	37.8	6.5 x 2.8 (165 x 71)	15 (6.8)
L2010	20	14.1	10	2	5	23.2	5.5 x 2.4 (140 x 61)	8 (3.6)
L2015	20	14.1	15	3	7	28.4	5.9 x 2.8 (150 x 71)	11.5 (5.2)
L2020	20	14.1	20	4	8	32.8	6.5 x 2.8 (165 x 71)	14 (6.4)
L2040	20	14.1	40	8	12	42.8	8.0 x3.5 (203 x 89)	27 (12.3)
L3005	30	21.2	5	2.25	5	26.1	5.5 x 2.4 (140 x 61)	8.5 (3.9)
L3010	30	21.2	10	4.5	8	37.8	6.5 x 2.8 (165 x 71)	15 (6.8)
L3015	30	21.2	15	6.75	11	45.9	8.0 x 3.0 (203 x 76)	22 (10)
L3020	30	21.2	20	9	13	43.2	8.0 x 3.5 (203 x 89)	28 (12.7)
L4005	40	28.3	5	4	8	32	6.5 x 2.8 (165 x 71)	14 (6.4)
L4010	40	28.3	10	8	13	43.2	8.0 x 3.5 (203 x 89)	27 (12.3)
L4015	40	28.3	15	12	20	56	10.0 x3.4 (254 x 86)	39 (17.7)
L5005	50	35.3	5	6.25	11	35	8.0 x 3.0 (203 x 76)	23 (10.4)
L5010	50	35.3	10	12.5	20	57.5	10.0 x 3.4 (254 x 86)	39 (17.7)
L6005	60	42.4	5	9	12	43.2	8.0 x 3.5 (203 x 89)	29 (13.2)

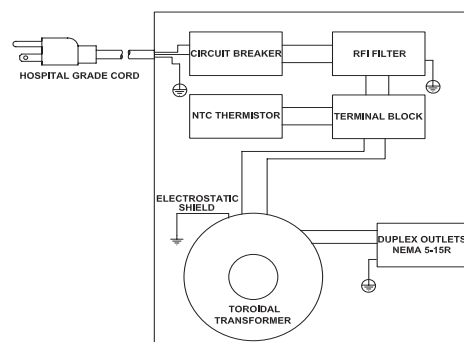
**Notes:** Electrical measurements @ 20°C ambient temperature. All data subject to change without prior notice.

### ENCLOSED MEDICAL ISOLATION TRANSFORMERS

Acme Electric now offers a line of fully enclosed medical isolation transformers, featuring Amveco Toroidal Power technology. For medical grade applications, these units provide additional safety and protection. When using electronic devices in a medical, these medical grade transformers will bring the equipment into compliance with the UL 60601 medical safety standard. The transformers operate at 120V 60Hz input with 120V output. They have built in RFI filtering and in-rush current limiting. The transformer design utilizes toroidal transformer which offers light weight, high efficiency, quiet operation, cool overall temperature, and low stray magnetic field.

#### Features

- Fully enclosed medical isolation transformers housed in white aluminum enclosure
- Designed for North American 120V 60Hz input operation
- UL listed to UL 60601-1 and c-UL listed to CSA C22.2 No.601.1.
- High efficiency toroidal transformer design yielding overall compact size and low weight.
- Low leakage design. Less than 100 µA leakage current.
- Built in filtering with RFI interference and inrush protection.
- Surge suppression
- 10 ft hospital grade power cord
- Duplex 'green-dot' hospital grade outlets
- On/Off circuit breaker
- Floor standing or wall mount



### ENCLOSED MEDICAL ISOLATION TRANSFORMERS 120 VOLT PRIMARY — 120 SECONDARY VOLT — 60 Hz

VA	Catalog Number	Width (Inches)(Cm.)	Height (Inches)(Cm.)	Length (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Load Regulation	NEMA PLUG	Hospital Grade Duplex Outlets
300	AS30327	5.63 (14.3)	4.13 (10.5)	10.00 (25.4)	10 (4.5)	4.5%	5-15P	(2) 5-15R
600	AS30328	7.13 (18.1)	4.13 (10.5)	12.50 (31.7)	17 (7.7)	2.9%	5-15P	(3) 5-15R
900	AS30329	7.13 (18.1)	4.13 (10.5)	12.50 (31.7)	26 (11.8)	1.5%	5-15P	(4) 5-15R
1200	AS30330	9.13 (23.2)	4.13 (10.5)	14.00 (35.6)	32 (14.5)	1.4%	5-15P	(4) 5-15R
1800	AS30331	9.13 (23.2)	4.13 (10.5)	14.00 (35.6)	37 (16.8)	1.7%	5-20P	(4) 5-20R

