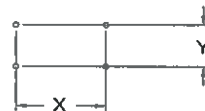
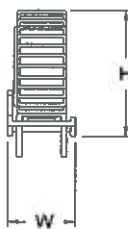
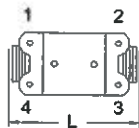
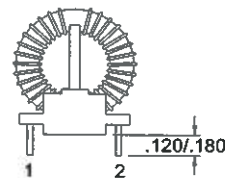




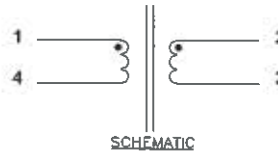
# TIGHTpak™ Toroidal Common Mode Line Choke

Actown's Toroid style of common mode chokes are designed with patented TIGHTpak technology. Within a single layer winding 70% more turns are achievable over a traditional winding using the same size core and wire gauge.

Parts are constructed to an industry standard footprint. Materials comply with 94V-0 flammability specifications. A 3mm spacer between each winding provides creepage and clearance to comply with UL, CSA, and IEC safety specifications.



Recommended Board Layout



| Part Number | Inductance min (mH) | Current Rating Amps | Leakage Inductance max (uH) | SRF typ (Khz) | DCR max (ohms) | L Max | W Max | H Max | X (inches) | Y (inches) | Lead Diameter Nom | PC Board Hole Diameter |
|-------------|---------------------|---------------------|-----------------------------|---------------|----------------|-------|-------|-------|------------|------------|-------------------|------------------------|
| TPCM-2.8-3  | 2.83                | 3                   | 50                          | 755           | 0.049          | 1.15  | 0.70  | 1.15  | 0.80       | 0.40       | 0.029             | 0.047                  |
| TPCM-3.9-3  | 3.93                | 3                   | 71                          | 550           | 0.063          | 1.20  | 0.70  | 1.30  | 0.80       | 0.40       | 0.029             | 0.047                  |
| TPCM-1.7-5  | 1.73                | 5                   | 31                          | 1070          | 0.025          | 1.15  | 0.70  | 1.15  | 0.80       | 0.40       | 0.036             | 0.055                  |
| TPCM-2.4-5  | 2.41                | 5                   | 45                          | 775           | 0.036          | 1.20  | 0.70  | 1.30  | 0.80       | 0.40       | 0.036             | 0.055                  |
| TPCM-6.6-5  | 6.61                | 5                   | 94                          | 450           | 0.059          | 1.50  | 1.00  | 1.50  | 1.20       | 0.70       | 0.036             | 0.055                  |
| TPCM-1.0-8  | 1.00                | 8                   | 18                          | 1500          | 0.013          | 1.15  | 0.70  | 1.15  | 0.80       | 0.40       | 0.045             | 0.067                  |
| TPCM-4.4-8  | 4.35                | 8                   | 60                          | 545           | 0.036          | 1.50  | 1.00  | 1.50  | 1.20       | 0.70       | 0.045             | 0.067                  |
| TPCM-7.0-8  | 6.96                | 8                   | 109                         | 350           | 0.044          | 1.70  | 1.00  | 1.80  | 1.20       | 0.70       | 0.045             | 0.067                  |
| TPCM-0.8-10 | 0.80                | 10                  | 14                          | 1480          | 0.010          | 1.15  | 0.70  | 1.15  | 0.80       | 0.40       | 0.051             | 0.070                  |
| TPCM-3.3-10 | 3.27                | 10                  | 49                          | 635           | 0.022          | 1.50  | 1.00  | 1.50  | 1.20       | 0.70       | 0.051             | 0.070                  |
| TPCM-5.6-10 | 5.57                | 10                  | 83                          | 400           | 0.031          | 1.70  | 1.00  | 1.80  | 1.20       | 0.70       | 0.051             | 0.070                  |
| TPCM-3.8-13 | 3.78                | 13                  | 65                          | 510           | 0.021          | 1.75  | 1.00  | 1.75  | 1.20       | 0.70       | 0.057             | 0.079                  |

Current rating based on 250 circular mils/amp

Inductance measured @ 10Khz .10Vrms

Electrical specifications at 25C

Operating temperatures -40C to 85C

1500 Vrms dielectric between windings



## AMVECO STANDARD SERIES INDUCTORS



In addition to toroidal transformers, Amveco designs and manufactures toroidal chokes for DC-filtering and AC-circuits. As with transformers, toroidal chokes also offer significant savings in both size and weight compared to a laminated core. Presently, we manufacture chokes from 0.2 Ws to 25 Ws. AMVECO has developed its own design software which allows us to design and manufacture to your specific needs. With in-house capabilities for both core-making and core-cutting, we can offer fast turn-around for both prototypes and production units.



AMVECO Inductors

| Part Number | Current I DC (A) | Current RMS | L (mH) | Power (WS) | Losses Core-Copper | OD x HT (Inches) | OD x HT (mm) | WT (lbs.) | WT (kg) |
|-------------|------------------|-------------|--------|------------|--------------------|------------------|--------------|-----------|---------|
| 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 x 3.5        | 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        | 10.0    |
| 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 x 3.4         | 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    |

# POWER TRANSFORMERS FOR AUDIO APPLICATIONS

## Features

- Power Transformers for Audio Applications
- UL 6500 Audio Standard
- Low Audible Noise
- Low Magnetic Stray Field
- Non-Encapsulated Units
- Metal Disk Mounting



## OFF-THE-SHELF, STANDARD TRANSFORMERS

Primary 117v/60Hz

| Nominal Power<br>VA | Secondary Voltage<br>V | Secondary Current<br>A | Secondary No Load Voltage<br>V | Diameter<br>Inch/mm | Height<br>Inch/mm | Weight<br>Lbs/kg | Part Number                          |
|---------------------|------------------------|------------------------|--------------------------------|---------------------|-------------------|------------------|--------------------------------------|
| 100                 | 2x 9                   | 5.55                   | 10.5                           | 3.4/87              | 1.5/38            | 1.7/78           | 60102                                |
|                     | 2x12                   | 4.17                   | 14.1                           |                     |                   |                  | 60103                                |
|                     | 2x15                   | 3.33                   | 17.6                           |                     |                   |                  | 60104                                |
|                     | 2x18                   | 2.78                   | 21.1                           |                     |                   |                  | 60105                                |
| 240                 | 2x15                   | 8.00                   | 16.5                           | 4.0/102             | 1.8/46            | 3.3/1.5          | 60242                                |
|                     | 2x18                   | 6.67                   | 19.8                           |                     |                   |                  | 60243                                |
|                     | 2x24                   | 5.00                   | 26.4                           |                     |                   |                  | 60244                                |
|                     | 2x30                   | 4.00                   | 33.0                           |                     |                   |                  | 60245                                |
| 400                 | 2x15                   | 13.33                  | 16.3                           | 4.5/115             | 2.2/57            | 5.3/2.4          | 60402                                |
|                     | 2x18                   | 11.11                  | 19.5                           |                     |                   |                  | 60403                                |
|                     | 2x24                   | 8.33                   | 26.0                           |                     |                   |                  | 60404                                |
|                     | 2x30                   | 6.67                   | 32.5                           |                     |                   |                  | 60405                                |
| 600                 | 2x15                   | 20.00                  | 15.9                           | 5.3/135             | 2.3/58            | 7.7/3.5          | 60601                                |
|                     | 2x18                   | 16.67                  | 19.1                           |                     |                   |                  | 60602                                |
|                     | 2x24                   | 12.50                  | 25.4                           |                     |                   |                  | 60603                                |
|                     | 2x30                   | 10.00                  | 31.8                           |                     |                   |                  | 60604                                |
| 1000                | 2x24                   | 20.83                  | 25.6                           | 6.5/165             | 2.4/62            | 13.0/5.9         | <del>61001</del><br><del>61001</del> |
|                     | 2x30                   | 16.67                  | 31.2                           |                     |                   |                  | <del>61002</del><br>61002            |



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