

High Current Inductors

Semi-Potted design
for ease of handling.

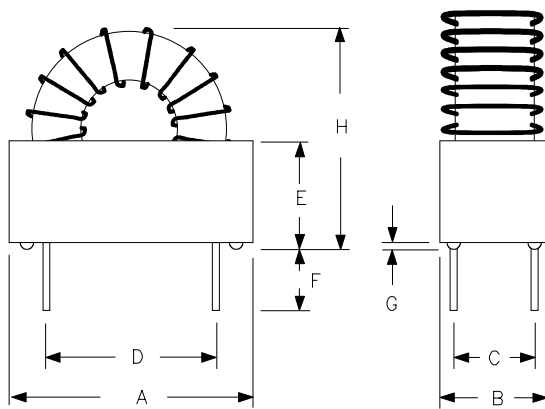
NEW!

*Toroid Style / Semi-Potted
Single Layered Design*

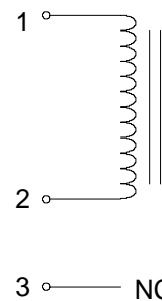
Good Inductance stability
over temperature range
of -55° to +70° C

Electrical Specifications at 25°C

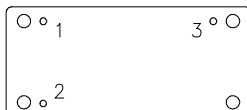
| Part Number | L Min. (μH) | I _{DC} Max. (A) | ET-OP (V-μS) | | L (No DC) ±20% (μH) | Test Level (mV) | Energy Storage (mJ Min) | DCR Max. (mΩ) | Size Code | Lead Size (AWG) |
|-------------|-------------|--------------------------|--------------|-------|---------------------|-----------------|-------------------------|---------------|-----------|-----------------|
| | | | 20KHz | 40KHz | | | | | | |
| L-20451 | 17 | 17.0 | 190 | 130 | 40.0 | 140 | 2460 | 6.5 | 3 | 12 |
| L-20452 | 32 | 16.0 | 290 | 200 | 70.7 | 270 | 4100 | 9.2 | 4 | 12 |
| L-20453 | 60 | 16.0 | 390 | 270 | 120.0 | 470 | 7700 | 12.0 | 5 | 12 |
| L-20454 | 14 | 10.0 | 135 | 95 | 28.5 | 73 | 700 | 9.0 | 1 | 15 |
| L-20455 | 23 | 11.0 | 170 | 120 | 43.5 | 130 | 1400 | 12.0 | 2 | 15 |
| L-20456 | 43 | 10.0 | 280 | 195 | 85.5 | 210 | 2150 | 18.0 | 3 | 15 |
| L-20457 | 90 | 10.0 | 430 | 300 | 158.0 | 420 | 4500 | 28.0 | 4 | 15 |
| L-20458 | 144 | 10.0 | 570 | 400 | 262.0 | 700 | 7200 | 32.0 | 5 | 15 |
| L-20459 | 32 | 6.6 | 200 | 140 | 60.5 | 110 | 700 | 25.0 | 1 | 18 |
| L-20460 | 52 | 7.0 | 230 | 160 | 92.0 | 190 | 1275 | 32.0 | 2 | 18 |
| L-20461 | 98 | 6.0 | 400 | 280 | 188.0 | 310 | 1765 | 48.0 | 3 | 18 |
| L-20462 | 175 | 6.0 | 620 | 425 | 315.0 | 560 | 3150 | 68.0 | 4 | 18 |
| L-20463 | 335 | 6.0 | 840 | 580 | 571.0 | 1000 | 6030 | 95.0 | 5 | 18 |
| L-20464 | 400 | 3.6 | 600 | 420 | 688.0 | 640 | 2700 | 130.0 | 3 | 19 |



Schematic Diagram



Bottom View



| Size Code | Nominal Dimensions in Inches | | | | | | | |
|-----------|------------------------------|------|------|------|------|------|------|------|
| | A | B | C | D | E | F | G | H |
| 1 | 1.20 | 0.60 | 0.40 | 0.80 | 0.45 | 0.20 | .015 | 1.20 |
| 2 | 1.44 | 0.80 | 0.60 | 0.90 | 0.70 | 0.20 | .030 | 1.44 |
| 3 | 1.60 | 0.80 | 0.60 | 0.90 | 0.70 | 0.20 | .030 | 1.72 |
| 4 | 1.95 | 0.91 | 0.70 | 1.20 | 0.90 | 0.20 | .030 | 2.00 |
| 5 | 2.30 | 1.11 | 0.90 | 1.50 | 1.00 | 0.20 | .030 | 2.30 |