

# High L Mini Inductors

High Inductance - Low Current

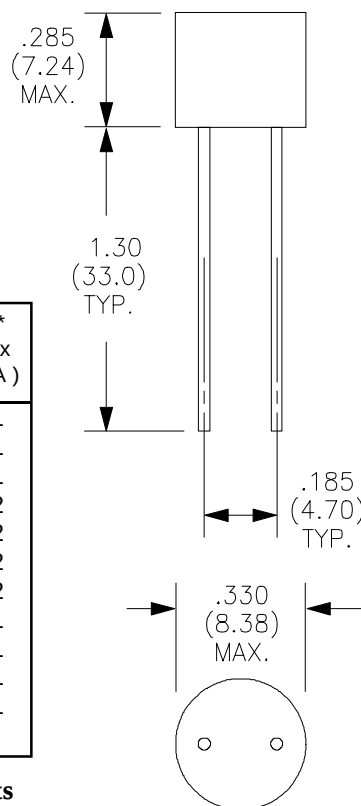
Designed for Noise, Spike and Filtering applications

Leads #22 AWG Tinned Copper

Coils finished with Polyolefin Shrink Tube

Package  
Dimensions  
Inches (mm)

Height  
dimensions  
are without  
solder joint  
or coatings



| Part Number | L min. *<br>(0 DC)<br>(mH) | DCR<br>Max.<br>(Ω) | I **<br>Max<br>(mA) | Part Number | L min. *<br>(0 DC)<br>(mH) | DCR<br>Max.<br>(Ω) | I **<br>Max<br>(mA) |
|-------------|----------------------------|--------------------|---------------------|-------------|----------------------------|--------------------|---------------------|
| L-13300     | 1.0                        | 3.1                | 132                 | L-13312     | 12.0                       | 33.0               | 41                  |
| L-13301     | 1.2                        | 4.0                | 132                 | L-13313     | 15.0                       | 37.0               | 41                  |
| L-13302     | 1.5                        | 6.1                | 83                  | L-13314     | 18.0                       | 40.0               | 41                  |
| L-13303     | 1.8                        | 6.4                | 83                  | L-13315     | 22.0                       | 56.0               | 32                  |
| L-13304     | 2.2                        | 6.8                | 83                  | L-13316     | 27.0                       | 62.0               | 32                  |
| L-13305     | 2.7                        | 7.7                | 83                  | L-13317     | 33.0                       | 70.0               | 32                  |
| L-13306     | 3.3                        | 9.0                | 53                  | L-13318     | 47.0                       | 99.0               | 32                  |
| L-13307     | 4.7                        | 16.0               | 53                  | L-13319     | 56.0                       | 135.0              | 21                  |
| L-13308     | 5.6                        | 18.0               | 53                  | L-13320     | 68.0                       | 150.0              | 21                  |
| L-13309     | 6.8                        | 19.0               | 53                  | L-13321     | 82.0                       | 212.0              | 21                  |
| L-13310     | 8.2                        | 21.0               | 53                  | L-13322     | 100.0                      | 235.0              | 21                  |
| L-13311     | 10.0                       | 25.0               | 41                  |             |                            |                    |                     |

\* Tested at 10kHz & 100mV

\*\* 300 CM / A

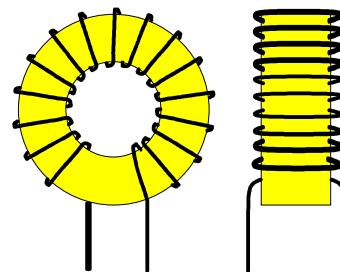
**Variations on electrical parameters of the parts listed are available. Please contact factory.**

# High L Multi-purpose Toroid Inductors

High Inductance low current applications

Open wound and self leaded -- Mounting is available

Varnish coated -- Wound on ferrite material



Electrical Specifications at 25°C

| Part Number | L typ. <sup>(1)</sup><br>(mH) | DCR<br>nom. (Ω) | I Max. <sup>(2)</sup><br>(Amps) | I Sat.<br>(mA) | O.D.<br>nom. (in.) | I.D.<br>nom. (in.) | HT.<br>nom. (in.) | Lead<br>Size AWG |
|-------------|-------------------------------|-----------------|---------------------------------|----------------|--------------------|--------------------|-------------------|------------------|
| L-11300     | 1.0                           | 0.21            | 1.30                            | 280            | 0.980              | 0.450              | 0.340             | 24               |
| L-11301     | 2.0                           | 0.41            | 1.30                            | 200            | 0.980              | 0.450              | 0.340             | 24               |
| L-11302     | 5.0                           | 0.76            | 1.30                            | 125            | 0.980              | 0.450              | 0.340             | 24               |
| L-11303     | 10.0                          | 1.30            | 0.85                            | 91             | 0.975              | 0.445              | 0.335             | 26               |
| L-11304     | 20.0                          | 2.00            | 0.85                            | 64             | 0.975              | 0.445              | 0.335             | 26               |
| L-11305     | 50.0                          | 2.80            | 0.33                            | 40             | 0.945              | 0.445              | 0.285             | 30               |
| L-11306     | 100                           | 5.40            | 0.21                            | 28             | 1.080              | 0.440              | 0.365             | 32               |
| L-11307     | 200                           | 10.40           | 0.21                            | 20             | 1.080              | 0.440              | 0.365             | 32               |
| L-11308     | 300                           | 12.80           | 0.21                            | 16             | 1.080              | 0.440              | 0.365             | 32               |
| L-11309     | 500                           | 18.40           | 0.13                            | 13             | 0.955              | 0.455              | 0.305             | 34               |
| L-11310     | 1000                          | 22.10           | 0.13                            | 9              | 0.955              | 0.455              | 0.305             | 34               |
| L-11311     | 2000                          | 28.80           | 0.13                            | 6              | 0.955              | 0.455              | 0.305             | 34               |

1. L measured at 1 kHz 0ADC

2. 300 CM / A

A large variety of ferrite toroids are available for custom designs.  
Please send your requirements by fax today for quotation.

Specifications are subject to change without notice

SPIK\_HLM - 5/97