

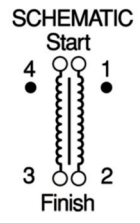
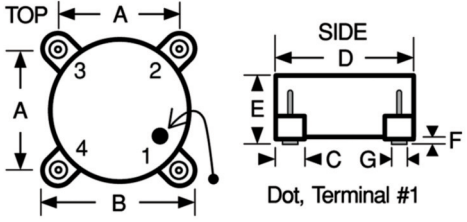
SERIES

4448R
4448



Surface Mount High Current Power Toroids

- 0 AMPS DC PARALLEL INDUCTANCE (μH)
- DASH NUMBER*
- RATED PARALLEL CURRENT MAXIMUM
- TOLERANCE
- PARALLEL DC RESIST. MAXIMUM (OHMS)
- 0 AMPS DC RESIST. INDUCTANCE (μH)
- CURRENT TOLERANCE
- RATED SERIES DC CURRENT MAXIMUM (AMPS)
- SERIES DC RESISTANCE MAXIMUM (OHMS)



Test Methods Solderability per MIL-STD-202, Method 208. Inductance tested at 10 kHz and zero Amp DC. Tested at 25°C

Mechanical Configuration A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

| | Inches | Millimeters |
|---|-------------------|------------------|
| A | 0.390 to 0.410 | 9.91 to 10.41 |
| B | 0.520 to 0.540 | 13.21 to 13.71 |
| C | 0.115 to 0.135 | 2.92 to 3.43 |
| D | 0.480 to 0.500 | 12.19 to 12.70 |
| E | 0.310 Max. | 7.87 Max. |
| F | 0.020 to 0.040 | 0.51 to 1.02 |
| G | 0.060 (Ref. only) | 1.52 (Ref. only) |

Electrical Configuration Two inductors per unit; internal terminals: #1(start) – #2(finish) & #4(start) – #3 (finish).

Series Externally connect #2 to #4.
Parallel Externally connect #1 to #4 and #2 to #3.

Operating Temperature Range -55°C to +125°C

Rated DC Current Based upon 20°C temperature rise from 25°C ambient.

Maximum Power Dissipation at 25°C 0.313 Watts

Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: K = 10%, L = 15%. M = 20%. Units are normally supplied to the tolerance indicated in the tables.

Marking Delevan; inductance and tolerance. A white dot indicates the location of pin 1.
Example: 4448-102M

DELEVAN
.47uH±20%
Weight (Grams) 2.5 (Ref.)

Inductance at Rated DC Current Minimum percent of measured zero Amp DC Inductance.
-02M to -34L = 60%; -102M to 134L = 50%

Packaging Tape & reel (24mm):
13" reel, 350 pieces max.; 7" reel not available

| | SERIES 4448 POWDERED IRON CORE | | | | | | | |
|------|--------------------------------|-------|------|-------|------|-------|------|-------|
| -02M | 0.47 | ± 20% | 7.90 | 0.005 | 2.00 | ± 20% | 3.95 | 0.020 |
| -04M | 0.68 | ± 20% | 7.20 | 0.006 | 3.00 | ± 20% | 3.60 | 0.024 |
| -06M | 1.00 | ± 20% | 5.90 | 0.009 | 4.00 | ± 20% | 2.95 | 0.036 |
| -08M | 2.00 | ± 20% | 4.60 | 0.014 | 8.00 | ± 20% | 2.30 | 0.056 |
| -10M | 5.00 | ± 20% | 3.30 | 0.027 | 20.0 | ± 20% | 1.65 | 0.108 |
| -12M | 8.00 | ± 20% | 3.00 | 0.033 | 32.0 | ± 20% | 1.50 | 0.132 |
| -14L | 10.0 | ± 15% | 2.50 | 0.047 | 40.0 | ± 15% | 1.25 | 0.188 |
| -16L | 15.0 | ± 15% | 2.30 | 0.057 | 60.0 | ± 15% | 1.15 | 0.228 |
| -18L | 20.0 | ± 15% | 1.90 | 0.085 | 80.0 | ± 15% | 0.95 | 0.340 |
| -20L | 25.0 | ± 15% | 1.60 | 0.116 | 100 | ± 15% | 0.80 | 0.464 |
| -22L | 33.0 | ± 15% | 1.30 | 0.166 | 132 | ± 15% | 0.65 | 0.664 |
| -24L | 50.0 | ± 15% | 1.20 | 0.202 | 200 | ± 15% | 0.60 | 0.808 |
| -26L | 68.0 | ± 15% | 1.10 | 0.238 | 272 | ± 15% | 0.55 | 0.952 |
| -28L | 100 | ± 15% | 0.72 | 0.565 | 400 | ± 15% | 0.36 | 2.260 |
| -30L | 150 | ± 15% | 0.64 | 0.696 | 600 | ± 15% | 0.32 | 2.784 |
| -32L | 200 | ± 15% | 0.60 | 0.810 | 800 | ± 15% | 0.30 | 3.240 |
| -34L | 300 | ± 15% | 0.54 | 1.003 | 1200 | ± 15% | 0.27 | 4.012 |

| | SERIES 4448 FERROUS ALLOY CORE | | | | | | | |
|-------|--------------------------------|-------|------|-------|------|-------|------|-------|
| -102M | 0.47 | ± 20% | 7.90 | 0.004 | 2.00 | ± 20% | 3.95 | 0.016 |
| -104M | 0.68 | ± 20% | 7.00 | 0.005 | 3.00 | ± 20% | 3.50 | 0.020 |
| -106M | 1.00 | ± 20% | 6.50 | 0.006 | 4.00 | ± 20% | 3.25 | 0.024 |
| -108M | 2.00 | ± 20% | 5.90 | 0.007 | 8.00 | ± 20% | 2.95 | 0.028 |
| -110M | 5.00 | ± 20% | 4.40 | 0.014 | 20.0 | ± 20% | 2.20 | 0.056 |
| -112M | 8.00 | ± 20% | 3.50 | 0.019 | 32.0 | ± 20% | 1.75 | 0.076 |
| -114L | 10.0 | ± 15% | 3.40 | 0.020 | 40.0 | ± 15% | 1.70 | 0.080 |
| -116L | 15.0 | ± 15% | 3.00 | 0.024 | 60.0 | ± 15% | 1.50 | 0.096 |
| -118L | 20.0 | ± 15% | 2.10 | 0.055 | 80.0 | ± 15% | 1.05 | 0.220 |
| -120L | 25.0 | ± 15% | 2.00 | 0.064 | 100 | ± 15% | 1.00 | 0.254 |
| -122L | 33.0 | ± 15% | 1.80 | 0.072 | 132 | ± 15% | 0.90 | 0.288 |
| -124L | 50.0 | ± 15% | 1.50 | 0.111 | 200 | ± 15% | 0.75 | 0.444 |
| -126L | 68.0 | ± 15% | 1.20 | 0.158 | 272 | ± 15% | 0.60 | 0.632 |
| -128L | 100 | ± 15% | 0.92 | 0.303 | 400 | ± 15% | 0.46 | 1.212 |
| -130L | 150 | ± 15% | 0.82 | 0.372 | 600 | ± 15% | 0.41 | 1.488 |
| -132L | 200 | ± 15% | 0.64 | 0.545 | 800 | ± 15% | 0.32 | 2.180 |
| -134L | 300 | ± 15% | 0.62 | 0.672 | 1200 | ± 15% | 0.31 | 2.688 |

*Complete part # must include series # PLUS the dash #
For surface finish information, refer to www.delevanfinishes.com

