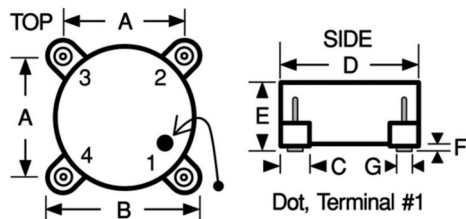
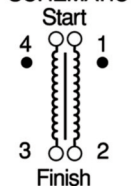


SERIES**4448R
4448****Surface Mount High Current Power Toroids**

Dot, Terminal #1

SCHEMATIC

Actual Size



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

0 AMPS DC PARALLEL INDUCTANCE (μH)	RATED PARALLEL CURRENT MAXIMUM	PARALLEL DC MAXIMUM (OHMS)	0 AMPS DC RESIST. INDUCTANCE (μH)	CURRENT RATED SERIES TOLERANCE	RATED MAXIMUM (AMPS)	SERIES DC RESISTANCE MAXIMUM (OHMS)	Power Inductors
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SERIES 4448 POWDERED IRON CORE

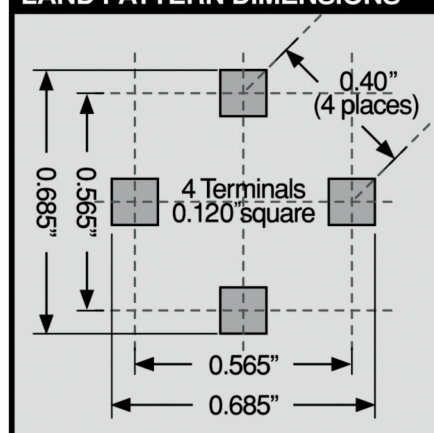
-02M	0.47 ± 20%	7.90	0.005	2.00 ± 20%	3.95	0.020
-04M	0.68 ± 20%	7.20	0.006	3.00 ± 20%	3.60	0.024
-06M	1.00 ± 20%	5.90	0.009	4.00 ± 20%	2.95	0.036
-08M	2.00 ± 20%	4.60	0.014	8.00 ± 20%	2.30	0.056
-10M	5.00 ± 20%	3.30	0.027	20.0 ± 20%	1.65	0.108
-12M	8.00 ± 20%	3.00	0.033	32.0 ± 20%	1.50	0.132
-14L	10.0 ± 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

LAND PATTERN DIMENSIONS

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

API Delevan:

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[4448-16L](#) [4448-20L](#) [4448-22L](#) [4448-24L](#) [4448-26L](#) [4448-28L](#) [4448-30L](#) [4448-32L](#) [4448-34L](#) [4448-102M](#) [4448-104M](#) [4448-106M](#) [4448-108M](#) [4448-110M](#) [4448-112M](#) [4448-116L](#) [4448-120L](#) [4448-122L](#) [4448-124L](#) [4448-126L](#)
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