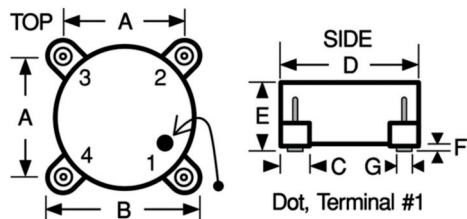


SERIES

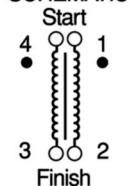
**4448R
4448**



Surface Mount High Current Power Toroids



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

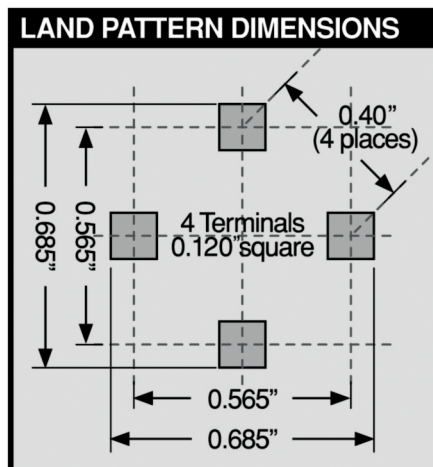
0 AMPS DC PARALLEL INDUCTANCE (μH)	RATED PARALLEL CURRENT MAXIMUM	PARALLEL DC MAXIMUM (OHMS)	0 AMPS DC RESIST. INDUCTANCE (μH)	CURRENT RATED SERIES TOLERANCE	RATED MAXIMUM (AMPS)	SERIES DC RESISTANCE MAXIMUM (OHMS)
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SERIES 4448 POWDERED IRON CORE		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



Mouser Electronics

Authorized Distributor

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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](#)
[4448-130L](#) [4448-132L](#) [4448-134L](#) [4448R-02M](#) [4448R-04M](#) [4448R-06M](#) [4448R-08M](#) [4448R-10M](#) [4448R-12M](#) [4448R-14L](#) [4448R-16L](#) [4448R-18L](#) [4448R-20L](#) [4448R-22L](#) [4448R-24L](#) [4448R-26L](#) [4448R-28L](#) [4448R-30L](#) [4448R-32L](#) [4448R-34L](#) [4448R-102M](#) [4448R-104M](#) [4448R-106M](#) [4448R-108M](#) [4448R-110M](#) [4448R-112M](#) [4448R-114L](#) [4448R-116L](#) [4448R-118L](#) [4448R-120L](#) [4448R-122L](#) [4448R-124L](#) [4448R-126L](#) [4448R-128L](#) [4448R-130L](#) [4448R-132L](#) [4448R-134L](#) [4448-18L](#) [4448R-18LTR](#) [4448-124LTR](#)