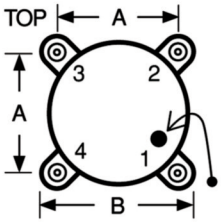
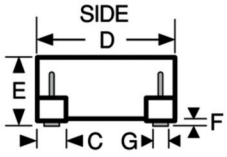
SERIES 4448R 4448

RoHS Compliant

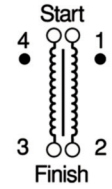
Traditional First Quality

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.)

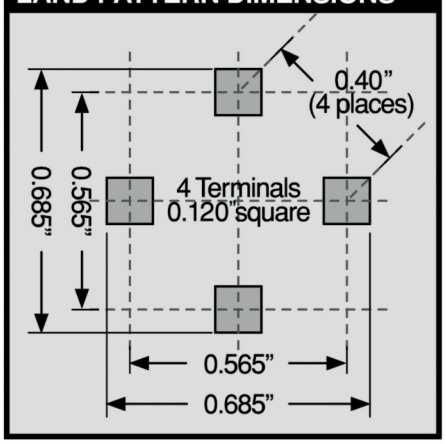
Inductance at Rated DC Current Minimum percent of measured zero Amp DC Inductance.
-02M to -34L = 60%; -102M to134L = 50%

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

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

LAND PATTERN DIMENSIONS



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