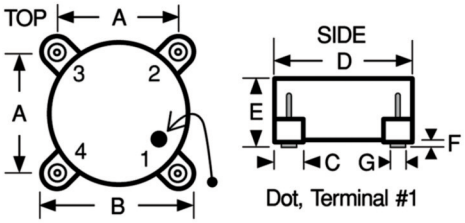
SERIES 4501R 4501

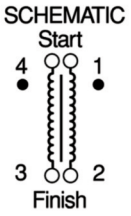
RoHS Compliant

Traditional First Quality

Surface Mount Low-Profile Power Toroids

Power Inductors







Actual Size 

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

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

Physical Parameters

	Inches	Millimeters
A	0.285 ± 0.010	7.24 ± 0.25
B	0.360 ± 0.010	9.14 ± 0.25
C	0.060 ± 0.010	1.52 ± 0.25
D	0.350 ± 0.010	8.90 ± 0.25
E	0.200 ± 0.010	5.08 ± 0.25
F	0.025 ± 0.010	0.64 ± 0.25
G	0.040 (Ref.)	1.02 (Ref.)

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 0.230 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.

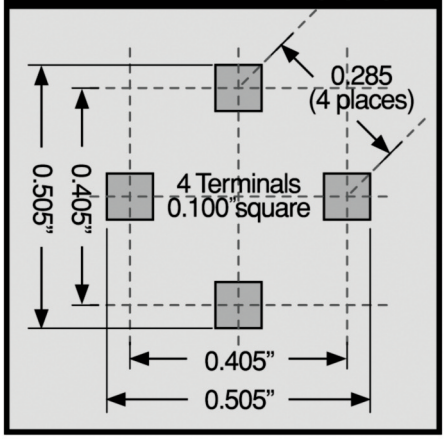
Marking Delevan; inductance and tolerance. A white dot indicates the location of pin 1. Note: RoHS component components will be marked with 4501R.
Example: 4501-102
DELEVAN
.47uH±20%

DASH NUMBER*	0 AMPS DC INDUCTANCE ±20% (µH @ 10 kHz)	DCR (OHMS) MAXIMUM	RATED DC CURRENT (Amps) MAXIMUM	INDUCTANCE (µH) MINIMUM @ Rated DC Current
SERIES 4501 FERROUS ALLOY CORE				
Parallel Connected Specifications				
-102M	0.47	0.005	6.50	0.30
-104M	0.68	0.006	5.50	0.40
-106M	1.00	0.008	5.00	0.60
-108M	2.00	0.010	4.50	1.20
-110M	5.00	0.020	3.00	3.00
-112M	8.00	0.025	2.70	4.80
-114M	10.0	0.030	2.50	6.00
-116M	15.0	0.060	1.70	9.50
-118M	20.0	0.080	1.50	12.0
-120M	25.0	0.090	1.40	15.0
-122M	33.0	0.105	1.40	20.0
-124M	50.0	0.200	0.95	30.0
-126M	68.0	0.300	0.80	40.0
-128M	100.0	0.400	0.65	60.0
-130M	150.0	0.550	0.60	90.0
-132M	200.0	0.750	0.45	120.0
-134M	300.0	1.100	0.40	180.0

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

LAND PATTERN DIMENSIONS



Series Connected Specifications

Inductance Four (4) times parallel inductance specifications.

DCR Four (4) times parallel DCR specifications.

Rated DC Current minimum One-half of parallel Rated DC Current specifications.

Packaging Tape & reel (24mm):
13" reel, 600 pieces max.; 7" reel not available

Weight (Grams) 1.0 (Ref.)

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API Delevan®