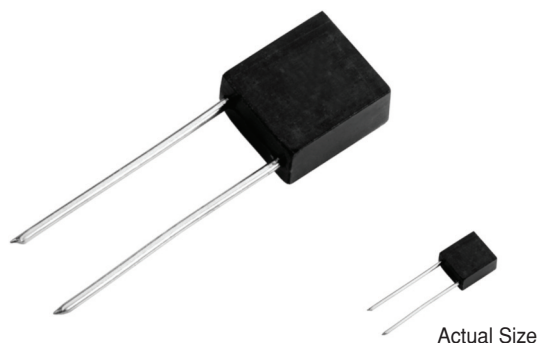
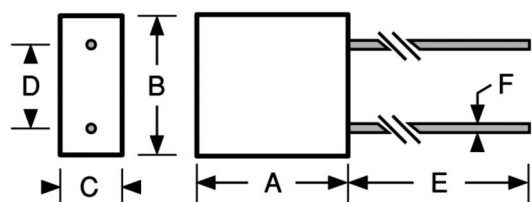


**SERIES****4445R**  
**4445****Radial Toroidal Inductors**

Actual Size

**Military Specification** MS21423 (Ref.)

Mechanical Configuration Units are radial leaded and encapsulated in an epoxy molded package.

**Physical Parameters**

|   | Inches           | Millimeters    |
|---|------------------|----------------|
| A | 0.200 to 0.230   | 5.08 to 5.84   |
| B | 0.190 to 0.210   | 4.83 to 5.33   |
| C | 0.090 to 0.110   | 2.29 to 2.79   |
| D | 0.090 to 0.110   | 2.29 to 2.79   |
| E | 1.00 Min.        | 25.4 Min.      |
| F | 0.0185 to 0.0215 | 0.470 to 0.546 |

**Operating Temperature** -55°C to +125°C**Current Rating at 90°C Ambient** 35°C Rise**Maximum Power Dissipation at 90°C** 0.200 W**Note** Inductance measured 0.25" from body.**Weight Max.** (Grams) 0.5

**\*\* Note** Self Resonant Frequency (SRF) values above 250 MHz are calculated and for reference only.  
Marking 4445; dash number with tolerance letter; Delevan cage code (99800); date code (YYWWL). Note: An R after 4445 indicates a RoHS component.

Example: 4445-01M

4445  
-01M  
99800  
0828A

**Packaging** Bulk only**Made in the U.S.A.**

| MS21423 (Ref.) – SERIES 4445 |                   |                 |           |           |                      |                   |                              |                             |
|------------------------------|-------------------|-----------------|-----------|-----------|----------------------|-------------------|------------------------------|-----------------------------|
| DASH NUMBER*                 | MIL DASH # (Ref.) | INDUCTANCE (μH) | TOLERANCE | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz) | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
| -01M                         | 1                 | 0.010           | ± 20%     | 60        | 150                  | 1000              | 0.020                        | 3000                        |
| -02M                         | 2                 | 0.012           | ± 20%     | 60        | 150                  | 1000              | 0.020                        | 3000                        |
| -03M                         | 3                 | 0.015           | ± 20%     | 60        | 150                  | 1000              | 0.020                        | 3000                        |
| -04M                         | 4                 | 0.018           | ± 20%     | 60        | 150                  | 1000              | 0.020                        | 3000                        |
| -05M                         | 5                 | 0.022           | ± 20%     | 60        | 100                  | 900               | 0.020                        | 3000                        |
| -06M                         | 6                 | 0.027           | ± 20%     | 60        | 100                  | 800               | 0.020                        | 3000                        |
| -07M                         | 7                 | 0.033           | ± 20%     | 60        | 100                  | 750               | 0.020                        | 3000                        |
| -08M                         | 8                 | 0.039           | ± 20%     | 60        | 100                  | 700               | 0.020                        | 3000                        |
| -09M                         | 9                 | 0.047           | ± 20%     | 60        | 100                  | 650               | 0.020                        | 3000                        |
| -10M                         | 10                | 0.056           | ± 20%     | 60        | 100                  | 600               | 0.020                        | 3000                        |
| -11M                         | 11                | 0.068           | ± 20%     | 60        | 100                  | 550               | 0.030                        | 2500                        |
| -12M                         | 12                | 0.082           | ± 20%     | 60        | 100                  | 500               | 0.040                        | 2200                        |
| -13K                         | 13                | 0.100           | ± 10%     | 80        | 50                   | 450               | 0.040                        | 2200                        |
| -14K                         | 14                | 0.120           | ± 10%     | 80        | 50                   | 400               | 0.050                        | 2000                        |
| -15K                         | 15                | 0.150           | ± 10%     | 80        | 50                   | 350               | 0.060                        | 1800                        |
| -16K                         | 16                | 0.180           | ± 10%     | 80        | 50                   | 320               | 0.070                        | 1600                        |
| -17K                         | 17                | 0.220           | ± 10%     | 80        | 50                   | 300               | 0.080                        | 1500                        |
| -18K                         | 18                | 0.270           | ± 10%     | 80        | 50                   | 280               | 0.100                        | 1400                        |
| -19K                         | 19                | 0.330           | ± 10%     | 80        | 50                   | 260               | 0.120                        | 1300                        |
| -20K                         | 20                | 0.390           | ± 10%     | 80        | 50                   | 240               | 0.150                        | 1150                        |
| -21K                         | 21                | 0.470           | ± 10%     | 80        | 50                   | 220               | 0.200                        | 1000                        |
| -22K                         | 22                | 0.560           | ± 10%     | 70        | 50                   | 200               | 0.250                        | 900                         |
| -23K                         | 23                | 0.680           | ± 10%     | 70        | 50                   | 180               | 0.300                        | 800                         |
| -24K                         | 24                | 0.820           | ± 10%     | 70        | 50                   | 160               | 0.350                        | 750                         |
| -25K                         | 25                | 1.000           | ± 10%     | 70        | 50                   | 150               | 0.400                        | 700                         |

Optional Tolerances: J = 5% H = 3% G  
(Dash 01-12 Min. Tolerance is ±5%)

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

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)