

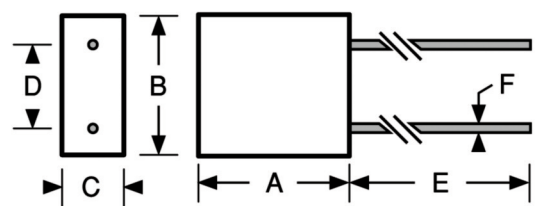
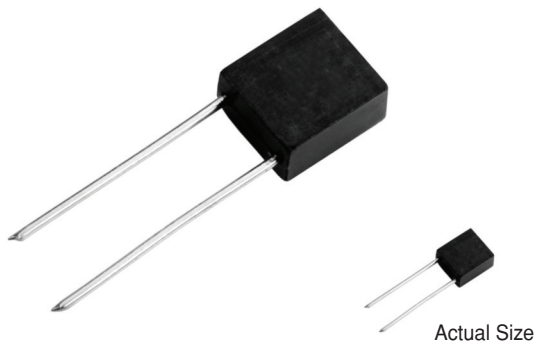
**SERIES**

**4445R  
4445**



**Radial Toroidal Inductors**

DASH NUMBER\*  
MIL DASH # (Ref.)  
INDUCTANCE (μH)  
TOLERANCE  
Q MINIMUM  
TEST FREQUENCY (MHz)  
SRF MINIMUM (MHz)  
DC RESISTANCE MAXIMUM (OHMS)  
CURRENT RATING MAXIMUM (mA)



| MS21423 (Ref.) – SERIES 4445 |    |       |       |    |     |      |       |      |
|------------------------------|----|-------|-------|----|-----|------|-------|------|
| -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  |

**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.**

Optional Tolerances: J = 5% H = 3% G  
(Dash 01-12 Min. Tolerance is ±5%)  
\*Complete part # must include series # PLUS the dash #

