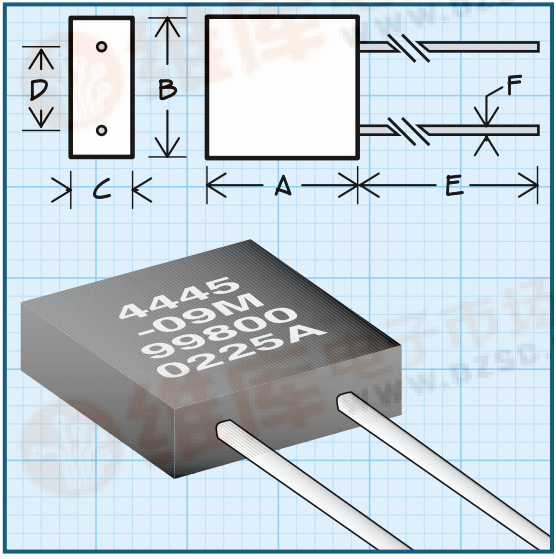


**Series 4445R**  
**4445**  
 查询"4445R-19K"供应商  
**Radial Toroidal Inductors**



**Military Specification** MS-21423 (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

**Packaging** Bulk only

**Made in the U.S.A.**

**\*\*Note:** Self Resonant Frequency (SRF) values above 250 MHz are calculated and for reference only.

|  | DASH NUMBER* | MIL DASH # (Ref.) | INDUCTANCE (µH) | TOLERANCE | Q MINIMUM | TEST FREQUENCY (MHz) | SRF MINIMUM (MHz)** | DC RESISTANCE MAXIMUM (OHMS) | CURRENT RATING MAXIMUM (mA) |
|--|--------------|-------------------|-----------------|-----------|-----------|----------------------|---------------------|------------------------------|-----------------------------|
| <b>MS21423 (Ref.) - SERIES 4445</b>  |              |                   |                 |           |           |                      |                     |                              |                             |
| -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                          |                             |
| <b>Optional Tolerances: J = 5% H = 3% G = 2% (Dash 01-12 Min. Tolerance is ±5%)</b>        |              |                   |                 |           |           |                      |                     |                              |                             |
| <b>*Complete part # must include series # PLUS the dash #</b>                              |              |                   |                 |           |           |                      |                     |                              |                             |
| <b>For further surface finish information, refer to TECHNICAL section of this catalog.</b> |              |                   |                 |           |           |                      |                     |                              |                             |