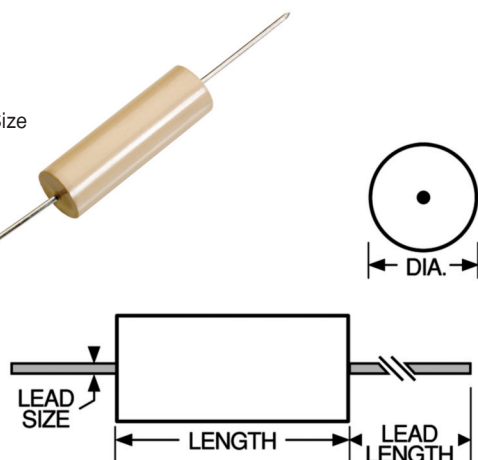


**SERIES****4470R  
4470****Molded Unshielded RF Coils**

Actual Size

**Physical Parameters**

|             | Inches          | Millimeters    |
|-------------|-----------------|----------------|
| Length      | 0.880 to 0.910  | 22.35 to 23.11 |
| Diameter    | 0.270 to 0.310  | 6.86 to 7.87   |
| Lead Size   |                 |                |
| AWG #21 TCW | 0.0260 to .0305 | 0.66 to 0.77   |
| Lead Length | 1.30 Min.       | 33.02 Min.     |

**Operating Temperature** -55°C to +125°C**Current Rating at 90°C Ambient** 35°C Rise**Maximum Power Dissipation at 90°C** 0.540 W**Test Methods** MIL-PRF-15305 test methods, only.  
MS21380-01 to MS21380-49, reference.**Marking** DELEVAN; inductance with units and tolerance;  
date code (YYWWL). Note: An R before the date code  
indicates a RoHS component.

Example: 4470-49J

|               |                 |
|---------------|-----------------|
| <i>Front:</i> | <i>Reverse:</i> |
| DELEVAN       | 0915B           |
| 10mH±5%       |                 |

**Packaging** Tape & reel: 12" reel, 800 pieces max.; 14" reel, 1300 pieces max.**Made in the U.S.A.**

Q TEST FREQUENCY (MHz)  
INDUCTANCE TEST FREQUENCY (MHz)  
TOLERANCE  
INDUCTANCE (μH)  
MIL DASH # (Ref.)  
DASH NUMBER\*

SRF MINIMUM  
Q MINIMUM  
MAXIMUM (MHz)  
DC RESISTANCE (OHMS)  
CURRENT RATING MAXIMUM (mA)

| MS21380 (Reference) – SERIES 4470 IRON CORE |    |         |       |      |      |     |       |      |      |
|---------------------------------------------|----|---------|-------|------|------|-----|-------|------|------|
| -01K                                        | 1  | 1.0     | ± 10% | 25.0 | 15.0 | 130 | 136.0 | 0.03 | 4000 |
| -02K                                        | 2  | 1.2     | ± 10% | 7.9  | 15.0 | 130 | 124.0 | 0.03 | 4000 |
| -03K                                        | 3  | 1.5     | ± 10% | 7.9  | 10.0 | 130 | 112.0 | 0.03 | 4000 |
| -04K                                        | 4  | 1.8     | ± 10% | 7.9  | 10.0 | 130 | 100.0 | 0.03 | 4000 |
| -05K                                        | 5  | 2.2     | ± 10% | 7.9  | 10.0 | 130 | 92.0  | 0.04 | 3500 |
| -06K                                        | 6  | 2.7     | ± 10% | 7.9  | 10.0 | 100 | 81.6  | 0.04 | 3500 |
| -07K                                        | 7  | 3.3     | ± 10% | 7.9  | 7.9  | 100 | 72.0  | 0.04 | 3500 |
| -08K                                        | 8  | 3.9     | ± 10% | 7.9  | 7.9  | 80  | 68.0  | 0.05 | 3100 |
| -09K                                        | 9  | 4.7     | ± 10% | 7.9  | 7.9  | 75  | 64.0  | 0.05 | 3100 |
| -10K                                        | 10 | 5.6     | ± 10% | 7.9  | 7.9  | 65  | 57.6  | 0.06 | 3000 |
| -11K                                        | 11 | 6.8     | ± 10% | 7.9  | 7.9  | 65  | 52.0  | 0.06 | 3000 |
| -12K                                        | 12 | 8.2     | ± 10% | 7.9  | 7.9  | 65  | 45.6  | 0.09 | 2400 |
| -13K                                        | 13 | 10.0    | ± 10% | 7.9  | 5.0  | 75  | 40.0  | 0.15 | 1800 |
| -14K                                        | 14 | 12.0    | ± 10% | 2.5  | 5.0  | 75  | 36.0  | 0.20 | 1600 |
| -15J                                        | 15 | 15.0    | ± 5%  | 2.5  | 5.0  | 75  | 32.0  | 0.30 | 1300 |
| -16J                                        | 16 | 18.0    | ± 5%  | 2.5  | 5.0  | 75  | 28.8  | 0.40 | 1150 |
| -17J                                        | 17 | 22.0    | ± 5%  | 2.5  | 2.5  | 75  | 25.6  | 0.50 | 1000 |
| -18J                                        | 18 | 27.0    | ± 5%  | 2.5  | 2.5  | 70  | 24.0  | 0.60 | 900  |
| -19J                                        | 19 | 33.0    | ± 5%  | 2.5  | 2.5  | 70  | 22.4  | 0.70 | 850  |
| -20J                                        | 20 | 39.0    | ± 5%  | 2.5  | 2.5  | 70  | 20.8  | 1.00 | 720  |
| -21J                                        | 21 | 47.0    | ± 5%  | 2.5  | 2.5  | 75  | 20.0  | 1.30 | 620  |
| -22J                                        | 22 | 56.0    | ± 5%  | 2.5  | 2.5  | 80  | 17.6  | 1.80 | 540  |
| -23J                                        | 23 | 68.0    | ± 5%  | 2.5  | 2.5  | 100 | 16.0  | 2.40 | 450  |
| -24J                                        | 24 | 82.0    | ± 5%  | 2.5  | 2.5  | 100 | 14.4  | 2.80 | 425  |
| -25J                                        | 25 | 100.0   | ± 5%  | 2.5  | 1.5  | 100 | 13.6  | 3.20 | 400  |
| -26J                                        | 26 | 120.0   | ± 5%  | 0.79 | 1.5  | 100 | 12.0  | 4.10 | 360  |
| -27J                                        | 27 | 150.0   | ± 5%  | 0.79 | 1.0  | 100 | 11.2  | 6.40 | 280  |
| -28J                                        | 28 | 180.0   | ± 5%  | 0.79 | 1.0  | 95  | 9.60  | 9.50 | 240  |
| -29J                                        | 29 | 220.0   | ± 5%  | 0.79 | 1.0  | 95  | 8.80  | 12.0 | 200  |
| -30J                                        | 30 | 270.0   | ± 5%  | 0.79 | 1.0  | 70  | 7.20  | 13.0 | 195  |
| -31J                                        | 31 | 330.0   | ± 5%  | 0.79 | 0.79 | 65  | 6.00  | 14.0 | 190  |
| -32J                                        | 32 | 390.0   | ± 5%  | 0.79 | 0.79 | 65  | 5.20  | 15.5 | 180  |
| -33J                                        | 33 | 470.0   | ± 5%  | 0.79 | 0.79 | 60  | 4.40  | 17.0 | 170  |
| -34J                                        | 34 | 560.0   | ± 5%  | 0.79 | 0.50 | 75  | 3.20  | 18.5 | 165  |
| -35J                                        | 35 | 680.0   | ± 5%  | 0.79 | 0.50 | 75  | 2.56  | 20.0 | 155  |
| -36J                                        | 36 | 820.0   | ± 5%  | 0.79 | 0.50 | 75  | 2.24  | 22.0 | 150  |
| -37J                                        | 37 | 1000.0  | ± 5%  | 0.79 | 0.50 | 75  | 1.92  | 24.0 | 145  |
| -38J                                        | 38 | 1200.0  | ± 5%  | 0.79 | 0.50 | 75  | 1.68  | 27.0 | 137  |
| -39J                                        | 39 | 1500.0  | ± 5%  | 0.79 | 0.40 | 75  | 1.52  | 29.0 | 130  |
| -40J                                        | 40 | 1800.0  | ± 5%  | 0.79 | 0.40 | 65  | 1.36  | 32.0 | 125  |
| -41J                                        | 41 | 2200.0  | ± 5%  | 0.25 | 0.25 | 65  | 1.20  | 35.0 | 120  |
| -42J                                        | 42 | 2700.0  | ± 5%  | 0.25 | 0.25 | 65  | 1.04  | 40.0 | 112  |
| -43J                                        | 43 | 3300.0  | ± 5%  | 0.25 | 0.25 | 65  | 0.96  | 45.0 | 105  |
| -44J                                        | 44 | 3900.0  | ± 5%  | 0.25 | 0.25 | 65  | 0.80  | 49.0 | 100  |
| -45J                                        | 45 | 4700.0  | ± 5%  | 0.25 | 0.25 | 65  | 0.76  | 53.0 | 95   |
| -46J                                        | 46 | 5600.0  | ± 5%  | 0.25 | 0.25 | 65  | 0.68  | 60.0 | 90   |
| -47J                                        | 47 | 6800.0  | ± 5%  | 0.25 | 0.25 | 65  | 0.60  | 67.0 | 85   |
| -48J                                        | 48 | 8200.0  | ± 5%  | 0.25 | 0.25 | 65  | 0.52  | 75.0 | 82   |
| -49J                                        | 49 | 10000.0 | ± 5%  | 0.25 | 0.15 | 65  | 0.47  | 80.0 | 80   |

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

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

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