



## DR217-2 SERIES RADIAL LEADED INDUCTORS

### Features

- Designed for EMI Filters & Switching Power Supplies
- Inductance Range from 3.3 $\mu$ H to 150mH
- Operating Temp. -20°C to +80°C
- Dielectric Withstand Capability 400VAC
- Tinned Leads with Leaded Solder is Available (note 4)



### ELECTRICAL SPECIFICATIONS AT 25°C

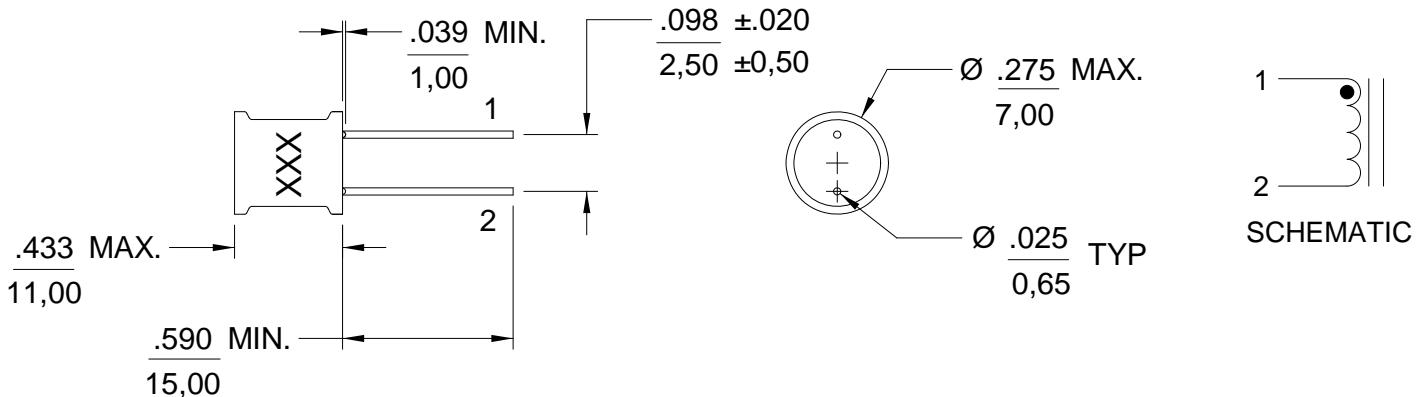
| Part Number | Inductance<br>( $\mu$ H) @1kHz<br>$\pm 20\%$ | Q Min. | Q Test Freq. | DCR (Ohm) Max. | Rated DC Current (A)<br>Max. |
|-------------|--|--------|--------------|----------------|------------------------------|
| DR217-2-332 | 3.3  | 20     | 7.96MHz      | 0.016          | 3.50                         |
| DR217-2-472 | 4.7  | 20     | 7.96MHz      | 0.020          | 3.00                         |
| DR217-2-682 | 6.8  | 20     | 7.96MHz      | 0.022          | 2.50                         |
| DR217-2-103 | 10   | 30     | 2.52MHz      | 0.039          | 2.00                         |
| DR217-2-153 | 15   | 30     | 2.52MHz      | 0.045          | 1.70                         |
| DR217-2-223 | 22   | 30     | 2.52MHz      | 0.062          | 1.40                         |
| DR217-2-333 | 33   | 30     | 2.52MHz      | 0.10           | 1.10                         |
| DR217-2-473 | 47   | 30     | 2.52MHz      | 0.15           | 0.95                         |
| DR217-2-683 | 68   | 30     | 2.52MHz      | 0.22           | 0.80                         |
| DR217-2-104 | 100  | 20     | 796kHz       | 0.35           | 0.65                         |
| DR217-2-154 | 150  | 20     | 796kHz       | 0.43           | 0.54                         |
| DR217-2-224 | 220  | 20     | 796kHz       | 0.90           | 0.44                         |
| DR217-2-334 | 330  | 20     | 796kHz       | 1.50           | 0.36                         |
| DR217-2-474 | 470  | 20     | 796kHz       | 1.80           | 0.30                         |
| DR217-2-684 | 680  | 20     | 796kHz       | 2.50           | 0.25                         |
| DR217-2-105 | 1000   | 100    | 252kHz       | 3.20           | 0.20                         |
| DR217-2-125 | 1200   | 70     | 252kHz       | 3.50           | 0.18                         |
| DR217-2-155 | 1500   | 70     | 252kHz       | 4.50           | 0.17                         |
| DR217-2-185 | 1800   | 70     | 252kHz       | 5.00           | 0.155                        |
| DR217-2-225 | 2200   | 70     | 252kHz       | 6.80           | 0.14                         |
| DR217-2-275 | 2700   | 70     | 252kHz       | 7.20           | 0.125                        |
| DR217-2-335 | 3300   | 70     | 252kHz       | 10.50          | 0.115                        |
| DR217-2-395 | 3900   | 70     | 252kHz       | 11.70          | 0.105                        |
| DR217-2-475 | 4700   | 70     | 252kHz       | 13.60          | 0.095                        |
| DR217-2-565 | 5600   | 70     | 252kHz       | 16.60          | 0.085                        |
| DR217-2-685 | 6800   | 70     | 252kHz       | 19.60          | 0.080                        |
| DR217-2-825 | 8200   | 70     | 252kHz       | 25.20          | 0.070                        |
| DR217-2-106 | 10000  | 70     | 79.6kHz      | 29.50          | 0.065                        |
| DR217-2-126 | 12000  | 50     | 79.6kHz      | 33.80          | 0.060                        |
| DR217-2-156 | 15000  | 50     | 79.6kHz      | 45.40          | 0.055                        |
| DR217-2-186 | 18000  | 50     | 79.6kHz      | 50.40          | 0.050                        |



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| Part Number | Inductance<br>(uH) @1kHz | Q Min. | Q Test Freq. | DCR (Ohm) Max. | Rated DC Current (A)<br>Max. |
|-------------|--------------------------|--------|--------------|----------------|------------------------------|
| DR217-2-226 | 22000                    | 50     | 79.6kHz      | 60             | 0.045                        |
| DR217-2-306 | 30000                    | 50     | 79.6kHz      | 91.5           | 0.040                        |
| DR217-2-336 | 33000                    | 50     | 79.6kHz      | 98.5           | 0.035                        |
| DR217-2-396 | 39000                    | 50     | 79.6kHz      | 140            | 0.032                        |
| DR217-2-476 | 47000                    | 50     | 79.6kHz      | 160            | 0.030                        |
| DR217-2-506 | 50000                    | 50     | 79.6kHz      | 170            | 0.029                        |
| DR217-2-566 | 56000                    | 50     | 79.6kHz      | 250            | 0.028                        |
| DR217-2-686 | 68000                    | 50     | 79.6kHz      | 282            | 0.025                        |
| DR217-2-826 | 82000                    | 50     | 79.6kHz      | 312            | 0.023                        |
| DR217-2-107 | 100000                   | 30     | 25.2kHz      | 380            | 0.020                        |
| DR217-2-127 | 120000                   | 30     | 25.2kHz      | 430            | 0.018                        |
| DR217-2-157 | 150000                   | 30     | 25.2kHz      | 520            | 0.016                        |

### MECHANICAL SPECIFICATIONS



#### NOTES:

1. Dimensions are shown in inches/millimeters
2. Unless otherwise specified, tolerance = Inches:  $\pm 0.012$   
= Millimeters:  $\pm 0.30$
3. IDC MAX based on the inductance being 90% of its initial value
4. For non-RoHS parts replace DR prefix with 42- (e.g. DR217-2 becomes 42-217-2)
5. Terminal finish is compliant to RoHS requirements