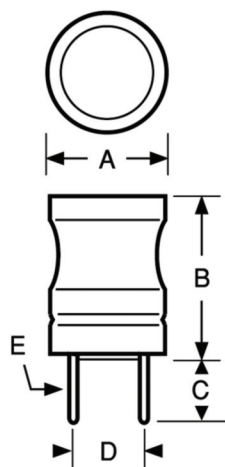


**SERIES****4554R & 4564R  
4554 & 4564**RoHS  
CompliantTraditional  
First Quality**Radial Lead Inductors**

Actual Size (Max.)

**Physical Parameters****Series 4554**

|   | Inches     | Millimeters |
|---|------------|-------------|
| A | 0.34 Max.  | 8.64 Max.   |
| B | 0.433 Max. | 11 Max.     |
| C | 0.200 Nom. | 5.0 Nom.    |
| D | 0.200 Nom. | 5.0 Nom.    |
| E | 0.024 Nom. | 0.61 Nom.   |

**Series 4564**

|   | Inches     | Millimeters |
|---|------------|-------------|
| A | 0.315 Max. | 8.0 Max.    |
| B | 0.440 Max. | 11.2 Max.   |
| C | 0.200 Nom. | 5.0 Nom.    |
| D | 0.200 Nom. | 5.0 Nom.    |
| E | 0.028 Nom. | 0.71 Nom.   |

**Operating Temperature Range**

Series 4554 -40°C to +85°C

Series 4564 -20°C to +80°C

**Storage Temperature Range**

Series 4554 -40°C to +85°C

Series 4564 -40°C to +80°C

**The Rated DC Current** The amperage where the inductance value decreases 10%.

**\*\*Note: Series 4554 Inductance Tolerance** Available in J = 5% in values  $\geq 100\mu\text{H}$  only

**Packaging** Bulk

Series 4564 Optional Tolerances: J = 5%

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

DASH NUMBER\*

INDUCTANCE\*\*

TOLERANCE (%)

TEST FREQUENCY  
Q MINIMUM

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
MAXIMUM (A)**SERIES 4554 FERRITE CORE**

|       |                         |            |    |       |       |       |      |
|-------|-------------------------|------------|----|-------|-------|-------|------|
| -1R0M | 1.0 $\mu\text{H}$       | $\pm 20\%$ | 20 | 7.96  | 150.0 | 0.013 | 10.0 |
| -1R5M | 1.5 $\mu\text{H}$       | $\pm 20\%$ | 20 | 7.96  | 130.0 | 0.016 | 8.5  |
| -2R2M | 2.2 $\mu\text{H}$       | $\pm 20\%$ | 20 | 7.96  | 100.0 | 0.021 | 6.5  |
| -3R3M | 3.3 $\mu\text{H}$       | $\pm 20\%$ | 20 | 7.96  | 79.0  | 0.025 | 5.5  |
| -4R7M | 4.7 $\mu\text{H}$       | $\pm 20\%$ | 20 | 7.96  | 51.0  | 0.030 | 4.3  |
| -6R8M | 6.8 $\mu\text{H}$       | $\pm 20\%$ | 20 | 7.96  | 29.0  | 0.035 | 3.7  |
| -100K | 10 $\mu\text{H}$        | $\pm 10\%$ | 50 | 2.52  | 14.0  | 0.055 | 3.0  |
| -120K | 12 $\mu\text{H}$        | $\pm 10\%$ | 50 | 2.52  | 13.0  | 0.060 | 2.6  |
| -150K | 15 $\mu\text{H}$        | $\pm 10\%$ | 50 | 2.52  | 12.0  | 0.065 | 2.2  |
| -180K | 18 $\mu\text{H}$        | $\pm 10\%$ | 40 | 2.52  | 11.0  | 0.085 | 2.0  |
| -220K | 22 $\mu\text{H}$        | $\pm 10\%$ | 40 | 2.52  | 9.2   | 0.095 | 1.7  |
| -270K | 27 $\mu\text{H}$        | $\pm 10\%$ | 40 | 2.52  | 8.5   | 0.120 | 1.6  |
| -330K | 33 $\mu\text{H}$        | $\pm 10\%$ | 30 | 2.52  | 7.8   | 0.140 | 1.5  |
| -390K | 39 $\mu\text{H}$        | $\pm 10\%$ | 30 | 2.52  | 6.9   | 0.160 | 1.4  |
| -470K | 47 $\mu\text{H}$        | $\pm 10\%$ | 30 | 2.52  | 6.5   | 0.200 | 1.3  |
| -560K | 56 $\mu\text{H}$        | $\pm 10\%$ | 30 | 2.52  | 5.4   | 0.210 | 1.2  |
| -680K | 68 $\mu\text{H}$        | $\pm 10\%$ | 30 | 2.52  | 4.9   | 0.210 | 1.2  |
| -820K | 82 $\mu\text{H}$        | $\pm 10\%$ | 30 | 2.52  | 4.1   | 0.230 | 1.1  |
| -101K | 100 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 3.7   | 0.290 | 0.91 |
| -121K | 120 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 3.4   | 0.320 | 0.84 |
| -151K | 150 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 3.2   | 0.450 | 0.75 |
| -181K | 180 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 2.8   | 0.580 | 0.69 |
| -221K | 220 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 2.7   | 0.650 | 0.64 |
| -271K | 270 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 2.4   | 0.800 | 0.57 |
| -331K | 330 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 2.3   | 0.900 | 0.54 |
| -391K | 390 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 2.1   | 1.0   | 0.48 |
| -471K | 470 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 1.9   | 1.1   | 0.46 |
| -561K | 560 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 1.8   | 1.4   | 0.41 |
| -681K | 680 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 1.6   | 1.6   | 0.38 |
| -821K | 820 $\mu\text{H}^{**}$  | $\pm 10\%$ | 20 | 0.796 | 1.5   | 1.8   | 0.35 |
| -102K | 1000 $\mu\text{H}^{**}$ | $\pm 10\%$ | 50 | 0.252 | 1.3   | 2.9   | 0.29 |

**SERIES 4564 FERRITE CORE**

|       |         |            |     |        |     |      |      |
|-------|---------|------------|-----|--------|-----|------|------|
| -101K | 0.10 mH | $\pm 10\%$ | 80  | 0.796  | 5.3 | 2.0  | 0.20 |
| -121K | 0.12 mH | $\pm 10\%$ | 80  | 0.796  | 4.5 | 2.0  | 0.20 |
| -151K | 0.15 mH | $\pm 10\%$ | 80  | 0.796  | 3.8 | 2.0  | 0.20 |
| -181K | 0.18 mH | $\pm 10\%$ | 80  | 0.796  | 3.3 | 3.0  | 0.20 |
| -221K | 0.22 mH | $\pm 10\%$ | 80  | 0.796  | 2.9 | 3.0  | 0.20 |
| -271K | 0.27 mH | $\pm 10\%$ | 80  | 0.796  | 2.6 | 3.0  | 0.20 |
| -331K | 0.33 mH | $\pm 10\%$ | 80  | 0.796  | 2.3 | 4.0  | 0.20 |
| -391K | 0.39 mH | $\pm 10\%$ | 80  | 0.796  | 2.1 | 4.0  | 0.20 |
| -471K | 0.47 mH | $\pm 10\%$ | 80  | 0.796  | 1.9 | 4.0  | 0.20 |
| -561K | 0.56 mH | $\pm 10\%$ | 80  | 0.796  | 1.7 | 4.0  | 0.20 |
| -681K | 0.68 mH | $\pm 10\%$ | 80  | 0.796  | 1.6 | 4.0  | 0.20 |
| -821K | 0.82 mH | $\pm 10\%$ | 80  | 0.796  | 1.4 | 6.0  | 0.20 |
| -102K | 1.00 mH | $\pm 10\%$ | 90  | 0.252  | 1.3 | 6.0  | 0.15 |
| -122K | 1.20 mH | $\pm 10\%$ | 90  | 0.252  | 1.2 | 9.0  | 0.15 |
| -152K | 1.50 mH | $\pm 10\%$ | 90  | 0.252  | 1.1 | 9.0  | 0.15 |
| -182K | 1.80 mH | $\pm 10\%$ | 90  | 0.252  | 1.0 | 9.0  | 0.10 |
| -222K | 2.20 mH | $\pm 10\%$ | 90  | 0.252  | 0.9 | 13.0 | 0.10 |
| -272K | 2.70 mH | $\pm 10\%$ | 90  | 0.252  | 0.8 | 13.0 | 0.10 |
| -332K | 3.30 mH | $\pm 10\%$ | 90  | 0.252  | 0.7 | 13.0 | 0.10 |
| -392K | 3.90 mH | $\pm 10\%$ | 90  | 0.252  | 0.7 | 13.0 | 0.05 |
| -472K | 4.70 mH | $\pm 10\%$ | 90  | 0.252  | 0.6 | 18.0 | 0.05 |
| -562K | 5.60 mH | $\pm 10\%$ | 90  | 0.252  | 0.6 | 18.0 | 0.05 |
| -682K | 6.80 mH | $\pm 10\%$ | 90  | 0.252  | 0.5 | 26.0 | 0.05 |
| -822K | 8.20 mH | $\pm 10\%$ | 90  | 0.252  | 0.5 | 26.0 | 0.05 |
| -103K | 10.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.4 | 40.0 | 0.04 |
| -123K | 12.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.4 | 40.0 | 0.04 |
| -153K | 15.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.4 | 60.0 | 0.04 |
| -183K | 18.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.3 | 60.0 | 0.03 |
| -223K | 22.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.3 | 80.0 | 0.03 |
| -273K | 27.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.2 | 80.0 | 0.03 |
| -333K | 33.0 mH | $\pm 10\%$ | 100 | 0.0796 | 0.2 | 80.0 | 0.03 |