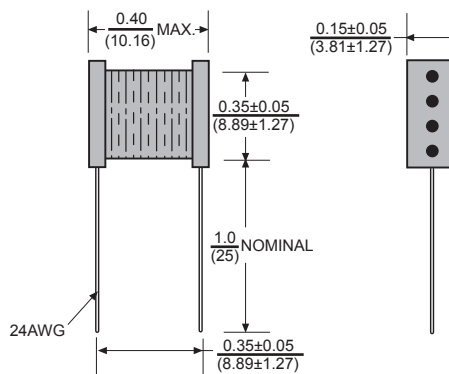
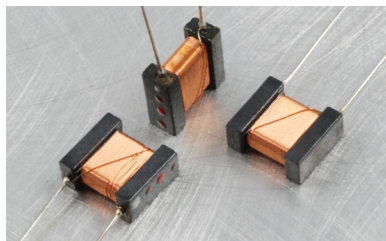


RFC20 Radial Flat Coils



Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Features

- Radial leaded for easy P.C.B. mounting.
- Narrow Design ideal for densely populated boards.
- Wide range of inductance values.
- Non-standard values available upon request.

Electrical

Inductance Range: 1.0 μ h to 10,000 μ h

Tolerance: \pm 10% on all values.

Testing: Inductance and Q measured on HP4342A at specified frequency.

Operating Temp. Range: -20° to +100°C.

Rated Current: Based on $\Delta T = 20^\circ\text{C}$ temperature rise.

Physical

Marking (On Part): 4 Dot EIA Code.

Marking (On Reel): Manufacturers Name, Part Number, Customers Part Number, Invoice Number, Lot or Data Code.

Packaging: 250 pieces per bag.

| Allied Part Number | Inductance (μ h) | Tolerance (%) | Q Min. | Test Freq. (MHz) | DCR Max. (Ω) | Rated Current (A) |
|--------------------|-----------------------|---------------|--------|------------------|-----------------------|-------------------|
| RFC20-1R0K-RC | 1.0 | 10 | 37 | 7.9 | .015 | 7.0 |
| RFC20-1R2K-RC | 1.2 | 10 | 39 | 7.9 | .012 | 6.0 |
| RFC20-1R5K-RC | 1.5 | 10 | 35 | 7.9 | .014 | 5.0 |
| RFC20-1R8K-RC | 1.8 | 10 | 37 | 7.9 | .020 | 4.8 |
| RFC20-2R2K-RC | 2.2 | 10 | 37 | 7.9 | .025 | 4.4 |
| RFC20-2R5K-RC | 2.5 | 10 | 40 | 7.9 | .030 | 4.1 |
| RFC20-2R7K-RC | 2.7 | 10 | 43 | 7.9 | .028 | 4.0 |
| RFC20-3R3K-RC | 3.3 | 10 | 35 | 7.9 | .036 | 3.7 |
| RFC20-3R9K-RC | 3.9 | 10 | 37 | 7.9 | .050 | 3.4 |
| RFC20-4R7K-RC | 4.7 | 10 | 37 | 7.9 | .053 | 3.2 |
| RFC20-5R0K-RC | 5.0 | 10 | 40 | 7.9 | .080 | 2.9 |
| RFC20-5R6K-RC | 5.6 | 10 | 38 | 7.9 | .092 | 2.8 |
| RFC20-6R8K-RC | 6.8 | 10 | 29 | 7.9 | .113 | 2.6 |
| RFC20-7R6K-RC | 7.6 | 10 | 30 | 7.9 | .110 | 2.5 |
| RFC20-8R2K-RC | 8.2 | 10 | 32 | 7.9 | .116 | 2.2 |
| RFC20-100K-RC | 10 | 10 | 80 | 7.9 | .119 | 2.1 |
| RFC20-120K-RC | 12 | 10 | 40 | 2.5 | .140 | 2.0 |
| RFC20-150K-RC | 15 | 10 | 40 | 2.5 | .158 | 1.6 |
| RFC20-180K-RC | 18 | 10 | 40 | 2.5 | .180 | 1.6 |
| RFC20-220K-RC | 22 | 10 | 40 | 2.5 | .230 | 1.4 |
| RFC20-250K-RC | 25 | 10 | 50 | 2.5 | .285 | 1.3 |
| RFC20-270K-RC | 27 | 10 | 50 | 2.5 | .300 | 1.3 |
| RFC20-330K-RC | 33 | 10 | 45 | 2.5 | .346 | 1.2 |
| RFC20-390K-RC | 39 | 10 | 45 | 2.5 | .371 | 1.1 |
| RFC20-470K-RC | 47 | 10 | 45 | 2.5 | .502 | 1.03 |
| RFC20-560K-RC | 56 | 10 | 40 | 2.5 | .687 | .95 |
| RFC20-680K-RC | 68 | 10 | 40 | 2.5 | .808 | .90 |
| RFC20-750K-RC | 75 | 10 | 40 | 2.5 | 1.200 | .86 |
| RFC20-820K-RC | 82 | 10 | 50 | 2.5 | 1.450 | .86 |
| RFC20-101K-RC | 100 | 10 | 80 | 2.5 | 1.160 | .70 |
| RFC20-121K-RC | 120 | 10 | 70 | .79 | 1.725 | .65 |
| RFC20-151K-RC | 150 | 10 | 70 | .79 | 1.855 | .60 |
| RFC20-181K-RC | 180 | 10 | 70 | .79 | 2.070 | .58 |
| RFC20-221K-RC | 220 | 10 | 50 | .79 | 2.105 | .49 |
| RFC20-251K-RC | 250 | 10 | 40 | .79 | 2.500 | .49 |
| RFC20-271K-RC | 270 | 10 | 50 | .79 | 2.700 | .45 |
| RFC20-331K-RC | 330 | 10 | 50 | .79 | 3.335 | .41 |
| RFC20-391K-RC | 390 | 10 | 45 | .79 | 3.450 | .39 |
| RFC20-471K-RC | 470 | 10 | 40 | .79 | 5.290 | .35 |
| RFC20-501K-RC | 500 | 10 | 35 | .79 | 5.350 | .34 |
| RFC20-561K-RC | 560 | 10 | 40 | .79 | 5.405 | .32 |
| RFC20-681K-RC | 680 | 10 | 45 | .79 | 5.930 | .29 |
| RFC20-751K-RC | 750 | 10 | 30 | .79 | 6.200 | .28 |
| RFC20-821K-RC | 820 | 10 | 40 | .79 | 6.325 | .27 |
| RFC20-102K-RC | 1000 | 10 | 70 | .79 | 8.600 | .21 |
| RFC20-122K-RC | 1200 | 10 | 70 | .25 | 10.00 | .21 |
| RFC20-152K-RC | 1500 | 10 | 62 | .25 | 14.26 | .19 |
| RFC20-182K-RC | 1800 | 10 | 62 | .25 | 15.75 | .17 |
| RFC20-222K-RC | 2200 | 10 | 60 | .25 | 17.70 | .15 |
| RFC20-252K-RC | 2500 | 10 | 60 | .25 | 18.00 | .14 |
| RFC20-272K-RC | 2700 | 10 | 60 | .25 | 19.10 | .14 |
| RFC20-332K-RC | 3300 | 10 | 50 | .25 | 21.74 | .13 |
| RFC20-392K-RC | 3900 | 10 | 50 | .25 | 26.00 | .12 |
| RFC20-472K-RC | 4700 | 10 | 50 | .25 | 28.90 | .11 |
| RFC20-562K-RC | 5600 | 10 | 30 | .25 | 32.00 | .10 |
| RFC20-602K-RC | 6000 | 10 | 35 | .25 | 31.00 | .10 |
| RFC20-682K-RC | 6800 | 10 | 23 | .25 | 45.00 | .07 |
| RFC20-752K-RC | 7500 | 10 | 25 | .25 | 50.00 | .08 |
| RFC20-822K-RC | 8200 | 10 | 23 | .25 | 57.00 | .07 |
| RFC20-103K-RC | 10000 | 10 | 25 | .25 | 70.00 | .07 |

All specifications subject to change without notice.