

Features

- Current rating up to 0.7 A
- Dielectric strength: 500 VRMS
- RoHS compliant*

Applications

- DC/DC converters
- Power supplies
- General use

79F Series Conformal Coated RF Choke

Electrical Specifications (@ 25 °C)

| Part Number | Value (μH) | Q Min. | Test Frequency (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | IDC (mA) Max. |
|-------------|------------|--------|----------------------|----------------|--------------|---------------|
| 79FR10M-RC | 0.10 ±20 % | 35 | 25 | 300 | 0.180 | 700 |
| 79FR12M-RC | 0.12 ±20 % | 35 | 25 | 300 | 0.200 | 660 |
| 79FR15M-RC | 0.15 ±20 % | 35 | 25 | 300 | 0.220 | 620 |
| 79FR18M-RC | 0.18 ±20 % | 35 | 25 | 300 | 0.240 | 600 |
| 79FR22M-RC | 0.22 ±20 % | 35 | 25 | 150 | 0.400 | 400 |
| 79FR27M-RC | 0.27 ±20 % | 35 | 25 | 150 | 0.430 | 380 |
| 79FR33M-RC | 0.33 ±20 % | 35 | 25 | 150 | 0.480 | 370 |
| 79FR39M-RC | 0.39 ±20 % | 35 | 25 | 150 | 0.51 | 350 |
| 79FR47M-RC | 0.47 ±20 % | 35 | 25 | 150 | 0.56 | 330 |
| 79FR56M-RC | 0.56 ±20 % | 35 | 25 | 150 | 0.61 | 320 |
| 79FR68M-RC | 0.68 ±20 % | 35 | 25 | 150 | 0.67 | 310 |
| 79FR82M-RC | 0.82 ±20 % | 35 | 25 | 150 | 0.74 | 290 |
| 79F1R0K-RC | 1.0 ±10 % | 35 | 25 | 150 | 0.80 | 270 |
| 79F1R2K-RC | 1.2 ±10 % | 40 | 7.9 | 110 | 0.90 | 260 |
| 79F1R5K-RC | 1.5 ±10 % | 40 | 7.9 | 70 | 1.00 | 250 |
| 79F1R8K-RC | 1.8 ±10 % | 40 | 7.9 | 60 | 1.10 | 240 |
| 79F2R2K-RC | 2.2 ±10 % | 40 | 7.9 | 45 | 1.20 | 230 |
| 79F2R7K-RC | 2.7 ±10 % | 40 | 7.9 | 40 | 1.30 | 220 |
| 79F3R3K-RC | 3.3 ±10 % | 40 | 7.9 | 38 | 1.40 | 210 |
| 79F3R9K-RC | 3.9 ±10 % | 40 | 7.9 | 36 | 1.50 | 200 |
| 79F4R7K-RC | 4.7 ±10 % | 40 | 7.9 | 30 | 1.70 | 190 |
| 79F5R6K-RC | 5.6 ±10 % | 40 | 7.9 | 28 | 1.90 | 180 |
| 79F6R8K-RC | 6.8 ±10 % | 40 | 7.9 | 26 | 2.00 | 175 |
| 79F8R2K-RC | 8.2 ±10 % | 40 | 7.9 | 24 | 2.20 | 165 |
| 79F100K-RC | 10 ±10 % | 40 | 7.9 | 22 | 2.40 | 160 |
| 79F120K-RC | 12 ±10 % | 40 | 2.5 | 20 | 2.80 | 150 |
| 79F150K-RC | 15 ±10 % | 40 | 2.5 | 18 | 2.80 | 145 |
| 79F180K-RC | 18 ±10 % | 40 | 2.5 | 17 | 3.10 | 140 |
| 79F220K-RC | 22 ±10 % | 40 | 2.5 | 16 | 3.40 | 100 |
| 79F270K-RC | 27 ±10 % | 40 | 2.5 | 14 | 4.30 | 80 |
| 79F330K-RC | 33 ±10 % | 40 | 2.5 | 13.5 | 4.70 | 75 |
| 79F390K-RC | 39 ±10 % | 40 | 2.5 | 13.00 | 5.20 | 74 |
| 79F470K-RC | 47 ±10 % | 40 | 2.5 | 12.00 | 5.80 | 70 |
| 79F560K-RC | 56 ±10 % | 40 | 2.5 | 11.00 | 6.40 | 68 |
| 79F680K-RC | 68 ±10 % | 40 | 2.5 | 10.00 | 7.20 | 64 |
| 79F820K-RC | 82 ±10 % | 40 | 2.5 | 9.50 | 11.00 | 46 |
| 79F101K-RC | 100 ±10 % | 40 | 2.5 | 9.00 | 12.00 | 44 |
| 79F121K-RC | 120 ±10 % | 40 | 0.79 | 8.00 | 13.00 | 42 |
| 79F151K-RC | 150 ±10 % | 40 | 0.79 | 6.00 | 16.00 | 39 |
| 79F181K-RC | 180 ±10 % | 40 | 0.79 | 5.00 | 18.00 | 37 |
| 79F221K-RC | 220 ±10 % | 40 | 0.79 | 5.00 | 20.00 | 35 |

General Specifications

Temperature Rise 35 °C
 at rated current
 Operating Temperature Range
 -55 °C to +105 °C
 (including temperature rise)
 Storage Temperature Range
 -55 °C to +105 °C

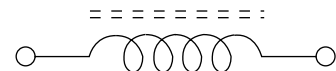
Materials

Core Material Ferrite DR core
 Wire Enamelled copper wire
 Terminal Cu/Ni/Sn
 Coating Epoxy resin
 Packaging
 2000 pcs. per ammo-pak box

How to Order

Model 79F 100 K -TR - RC
 Value Code (see table) _____
 Tolerance Code (see table) _____
 Packaging _____
 -TR = 2,000 pcs./ammo-pak box
 RoHS Compliant _____

Electrical Schematic

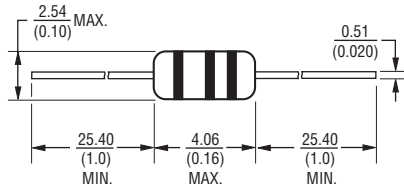


*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

79F Series Conformal Coated RF Choke

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Product Dimensions

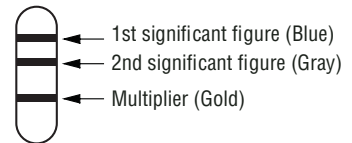


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

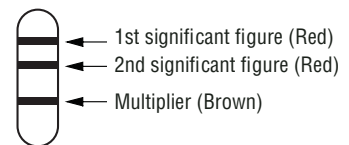
Typical Part Marking - EIA Color Code

| Color | 1st & 2nd Significant Figure | Multiplier |
|--------|------------------------------|------------|
| Silver | | 0.01 |
| Gold | | 0.1 |
| Black | 0 | 1 |
| Brown | 1 | 10 |
| Red | 2 | 100 |
| Orange | 3 | 1000 |
| Yellow | 4 | |
| Green | 5 | |
| Blue | 6 | |
| Violet | 7 | |
| Gray | 8 | |
| White | 9 | |

Example for 6.8 μH



Example for 220 μH



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