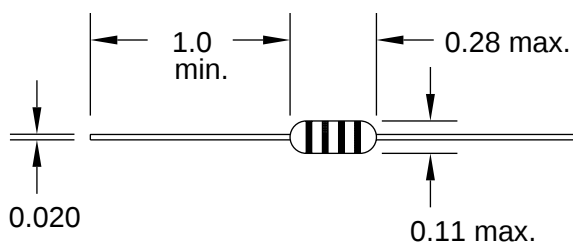


## Conformal Coated RF Chokes

### Special Features

- High Q & self-resonant frequency
- Low DCR
- Ferrite bobbin core
- Epoxy coated to protect winding from harsh environments
- Low cost
- Color bands identification
- Dielectric strength 500VRMS
- Operating temperature -55 to +105°C
- Current to cause 35°C maximum temperature rise



| 78F Series  |             |        |                  |                |              |            |
|-------------|-------------|--------|------------------|----------------|--------------|------------|
| Part Number | L (uH) ±20% | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | I, DC (mA) |
| 78FR033M    | 0.033       | 50     | 50               | 400            | 0.02         | 500        |
| 78FR10M     | 0.10        | 40     | 25               | 400            | 0.06         | 500        |
| 78FR12M     | 0.12        | 40     | 25               | 400            | 0.06         | 500        |
| 78FR15M     | 0.15        | 40     | 25               | 400            | 0.07         | 500        |
| 78FR18M     | 0.18        | 40     | 25               | 400            | 0.08         | 450        |
| ±10%        |             |        |                  |                |              |            |
| 78FR22K     | 0.22        | 40     | 25               | 380            | 0.08         | 1025       |
| 78FR27K     | 0.27        | 40     | 25               | 360            | 0.08         | 950        |
| 78FR33K     | 0.33        | 40     | 25               | 350            | 0.08         | 815        |
| 78FR39K     | 0.39        | 40     | 25               | 320            | 0.09         | 700        |
| 78FR47K     | 0.47        | 40     | 25               | 330            | 0.10         | 650        |
| 78FR56K     | 0.56        | 40     | 25               | 280            | 0.11         | 545        |
| 78FR68K     | 0.68        | 40     | 25               | 250            | 0.12         | 495        |
| 78FR82K     | 0.82        | 40     | 25               | 200            | 0.12         | 415        |
| 78F1R0K     | 1.0         | 40     | 25               | 180            | 0.15         | 385        |
| 78F1R2K     | 1.2         | 40     | 7.9              | 165            | 0.18         | 590        |
| 78F1R5K     | 1.5         | 45     | 7.9              | 150            | 0.20         | 535        |
| 78F1R8K     | 1.8         | 50     | 7.9              | 125            | 0.25         | 455        |
| 78F2R2K     | 2.2         | 50     | 7.9              | 110            | 0.28         | 395        |
| 78F2R7K     | 2.7         | 50     | 7.9              | 95             | 0.30         | 355        |
| ±5%         |             |        |                  |                |              |            |
| 78F3R3J     | 3.3         | 50     | 7.9              | 70             | 0.34         | 270        |
| 78F3R9J     | 3.9         | 45     | 7.9              | 65             | 0.32         | 250        |
| 78F4R7J     | 4.7         | 45     | 7.9              | 50             | 0.35         | 230        |
| 78F5R6J     | 5.6         | 45     | 7.9              | 40             | 0.40         | 185        |
| 78F6R8J     | 6.8         | 40     | 7.9              | 30             | 0.45         | 175        |
| 78F8R2J     | 8.2         | 40     | 7.9              | 28             | 0.55         | 155        |
| 78F100J     | 10          | 40     | 7.9              | 22             | 0.72         | 130        |
| 78F120J     | 12          | 45     | 2.5              | 20             | 0.80         | 155        |
| 78F150J     | 15          | 50     | 2.5              | 16             | 0.88         | 150        |
| 78F180J     | 18          | 50     | 2.5              | 15             | 1.00         | 145        |
| 78F220J     | 22          | 50     | 2.5              | 13             | 1.20         | 140        |
| 78F270J     | 27          | 50     | 2.5              | 11             | 1.35         | 135        |
| 78F330J     | 33          | 50     | 2.5              | 10             | 1.50         | 195        |
| 78F390J     | 39          | 50     | 2.5              | 9.5            | 1.70         | 185        |
| 78F470J     | 47          | 60     | 2.5              | 8.5            | 2.30         | 167        |
| 78F560J     | 56          | 60     | 2.5              | 7.5            | 2.60         | 150        |
| 78F680J     | 68          | 60     | 2.5              | 6.5            | 2.90         | 137        |
| 78F820J     | 82          | 60     | 2.5              | 6.0            | 3.20         | 132        |
| 78F101J     | 100         | 60     | 2.5              | 5.5            | 3.50         | 125        |
| 78F121J     | 120         | 60     | 0.79             | 5.4            | 3.80         | 100        |
| 78F151J     | 150         | 60     | 0.79             | 4.7            | 4.40         | 90         |
| 78F181J     | 180         | 60     | 0.79             | 4.3            | 5.00         | 84         |
| 78F221J     | 220         | 60     | 0.79             | 4.0            | 5.70         | 76         |
| 78F271J     | 270         | 60     | 0.79             | 3.7            | 6.50         | 70         |
| 78F331J     | 330         | 60     | 0.79             | 3.4            | 9.50         | 65         |
| 78F391J     | 390         | 60     | 0.79             | 2.8            | 10.5         | 60         |
| 78F471J     | 470         | 60     | 0.79             | 2.5            | 11.6         | 53         |
| 78F561J     | 560         | 60     | 0.79             | 2.3            | 13.0         | 51         |
| 78F681J     | 680         | 60     | 0.79             | 2.0            | 18.0         | 45         |
| 78F821J     | 820         | 60     | 0.79             | 1.5            | 23.0         | 43         |
| 78F102J     | 1000        | 60     | 0.79             | 1.2            | 26.0         | 41         |

**J.W. Miller**  
M A G N E T I C S

306 E. Alondra Blvd., Gardena, CA 90247-1059 • (310) 515-1720 • FAX (310) 515-1962

www.jwmiller.com