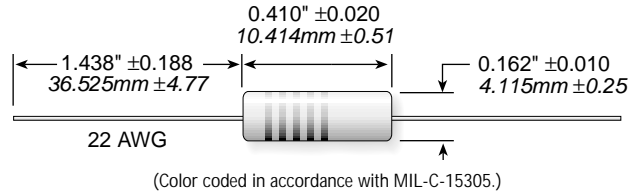


**This product has been  
DISCONTINUED**

# Q Series

## R. F. Shielded Chokes



| Series | Inductance     | Style | Grade/<br>Class | Max.<br>oper.<br>temp. | Max.<br>temp.<br>rise | Ambient<br>temp. | Dielectric<br>withstanding voltage<br>(sea level) (reduced pressure) |         | Terminal<br>pull | Altitude   | Coupling<br>max. | Weight          |
|--------|----------------|-------|-----------------|------------------------|-----------------------|------------------|--|---------|------------------|------------|------------------|-----------------|
| Q      | 0.10–10,000 µH | LT10  | 1/A             | 105°C                  | 15°C                  | 90°C             | 1000VRMS   | 200VRMS | 5 lbs.           | 70,000 ft. | 3%               | 0.750 g or less |

### STOCK PART NUMBERS

| Part number | MS part designation | Inductance (µH) ±10% | Q min. | Test frequency (L & Q, MHz) | SRF min. (MHz) | DCR max. (Ω) | Rated DC current (mA) | Part number | MS part designation | Inductance (µH) ±10% | Q min. | Test frequency (L & Q, MHz) | SRF min. (MHz) | DCR max. (Ω) | Rated DC current (mA) | Part number | MS part designation | Inductance (µH) ±10% | Q min. | Test frequency (L & Q, MHz) | SRF min. (MHz) | DCR max. (Ω) | Rated DC current (mA) |
|-------------|---------------------|----------------------|--------|-----------------------------|----------------|--------------|-----------------------|-------------|---------------------|----------------------|--------|-----------------------------|----------------|--------------|-----------------------|-------------|---------------------|----------------------|--------|-----------------------------|----------------|--------------|-----------------------|
| MS75087-    |                     |                      |        |                             |                |              | MS75088-              |             |                     |                      |        |                             |                | MS75089-     |                       |             |                     |                      |        |                             |                |              |                       |
| QS100K      | -1                  | 0.10                 | 50     | 25                          | 250            | 0.025        | 1790                  | QS471K      | -9                  | 4.70                 | 44     | 7.9                         | 70             | 0.55         | 380                   | QS223K      | -15                 | 220.0                | 55     | 0.79                        | 7.5            | 5.00         | 125                   |
| QS120K      | -2                  | 0.12                 | 51     | 25                          | 250            | 0.034        | 1530                  | QS561K      | -10                 | 5.60                 | 44     | 7.9                         | 65             | 0.72         | 335                   | QS273K      | -16                 | 270.0                | 55     | 0.79                        | 7.0            | 5.80         | 115                   |
| QS150K      | -3                  | 0.15                 | 51     | 25                          | 250            | 0.037        | 1470                  | QS681K      | -11                 | 6.80                 | 50     | 7.9                         | 55             | 1.02         | 280                   | QS333K      | -17                 | 330.0                | 55     | 0.79                        | 6.5            | 6.40         | 110                   |
| QS180K      | -4                  | 0.18                 | 50     | 25                          | 250            | 0.047        | 1300                  | QS821K      | -12                 | 8.20                 | 50     | 7.9                         | 50             | 1.32         | 250                   | QS393K      | -18                 | 390.0                | 60     | 0.79                        | 6.2            | 7.40         | 105                   |
| QS220K      | -5                  | 0.22                 | 49     | 25                          | 250            | 0.067        | 1100                  | QS102K      | -13                 | 10.0                 | 50     | 7.9                         | 46             | 1.62         | 220                   | QS473K      | -19                 | 470.0                | 60     | 0.79                        | 5.7            | 9.50         | 92                    |
| QS270K      | -6                  | 0.27                 | 47     | 25                          | 250            | 0.11         | 855                   | QS122K      | -14                 | 12.0                 | 55     | 2.5                         | 44             | 2.00         | 200                   | QS563K      | -20                 | 560.0                | 60     | 0.79                        | 4.7            | 10.5         | 90                    |
| QS330K      | -7                  | 0.33                 | 46     | 25                          | 250            | 0.13         | 780                   | MS75089-    |                     |                      |        |                             |                |              | QS683K                | -21         | 680.0               | 60                   | 0.79   | 4.5                         | 11.8           | 80           |                       |
| QS390K      | -8                  | 0.39                 | 44     | 25                          | 250            | 0.18         | 670                   | QS152K      | -1                  | 15.0                 | 45     | 2.5                         | 49             | 0.80         | 315                   | QS823K      | -22                 | 820.0                | 60     | 0.79                        | 4.2            | 13.0         | 80                    |
| QS470K      | -9                  | 0.47                 | 44     | 25                          | 235            | 0.25         | 565                   | QS182K      | -2                  | 18.0                 | 45     | 2.5                         | 45             | 0.89         | 300                   | QS104K      | -23                 | 1000                 | 60     | 0.79                        | 3.8            | 17.5         | 70                    |
| QS560K      | -10                 | 0.56                 | 43     | 25                          | 210            | 0.33         | 490                   | QS222K      | -3                  | 22.0                 | 45     | 2.5                         | 41             | 0.96         | 290                   | QS124K      | -24                 | 1200                 | 45     | 0.25                        | 1.5            | 22.1         | 60                    |
| QS680K      | -11                 | 0.68                 | 42     | 25                          | 190            | 0.45         | 420                   | QS272K      | -4                  | 27.0                 | 45     | 2.5                         | 38             | 1.19         | 260                   | QS154K      | -25                 | 1500                 | 45     | 0.25                        | 1.2            | 26.5         | 55                    |
| QS820K      | -12                 | 0.82                 | 40     | 25                          | 180            | 0.59         | 370                   | QS332K      | -5                  | 33.0                 | 45     | 2.5                         | 34             | 1.37         | 240                   | QS184K      | -26                 | 1800                 | 45     | 0.25                        | 1.0            | 29.9         | 50                    |
| MS75088-    |                     |                      |        |                             |                |              | QS392K                | -6          | 39.0                | 50                   | 2.5    | 29                          | 1.93           | 205          | QS224K                | -27         | 2200                | 45                   | 0.25   | 0.97                        | 33.8           | 50           |                       |
| QS101K      | -1                  | 1.00                 | 44     | 25                          | 140            | 0.07         | 1070                  | QS472K      | -7                  | 47.0                 | 50     | 2.5                         | 27             | 2.11         | 195                   | QS274K      | -28                 | 2700                 | 45     | 0.25                        | 0.92           | 47.3         | 40                    |
| QS121K      | -2                  | 1.20                 | 44     | 7.9                         | 130            | 0.10         | 895                   | QS562K      | -8                  | 56.0                 | 50     | 2.5                         | 25             | 2.23         | 190                   | QS334K      | -29                 | 3300                 | 45     | 0.25                        | 0.84           | 53.0         | 40                    |
| QS151K      | -3                  | 1.50                 | 44     | 7.9                         | 115            | 0.12         | 815                   | QS682K      | -9                  | 68.0                 | 50     | 2.5                         | 21             | 2.70         | 170                   | QS394K      | -30                 | 3900                 | 45     | 0.25                        | 0.80           | 73.8         | 35                    |
| QS181K      | -4                  | 1.80                 | 44     | 7.9                         | 105            | 0.14         | 775                   | QS822K      | -10                 | 82.0                 | 50     | 2.5                         | 10.5           | 2.44         | 180                   | QS474K      | -31                 | 4700                 | 45     | 0.25                        | 0.74           | 81.6         | 31                    |
| QS221K      | -5                  | 2.20                 | 44     | 7.9                         | 100            | 0.19         | 650                   | QS103K      | -11                 | 100.0                | 50     | 2.5                         | 10.0           | 3.12         | 160                   | QS564K      | -32                 | 5600                 | 44     | 0.25                        | 0.73           | 98.9         | 28                    |
| QS271K      | -6                  | 2.70                 | 44     | 7.9                         | 92             | 0.28         | 535                   | QS123K      | -12                 | 120.0                | 55     | 0.79                        | 9.7            | 3.60         | 150                   | QS684K      | -33                 | 6800                 | 40     | 0.25                        | 0.66           | 111.0        | 27                    |
| QS331K      | -7                  | 3.30                 | 44     | 7.9                         | 85             | 0.35         | 480                   | QS153K      | -13                 | 150.0                | 55     | 0.79                        | 8.5            | 4.10         | 140                   | QS824K      | -34                 | 8200                 | 40     | 0.25                        | 0.54           | 119.0        | 26                    |
| QS391K      | -8                  | 3.90                 | 44     | 7.9                         | 75             | 0.40         | 450                   | QS183K      | -14                 | 180.0                | 55     | 0.79                        | 8.0            | 4.40         | 135                   | QS105K      | -35                 | 10000                | 40     | 0.25                        | 0.47           | 137.0        | 24                    |