

Coaxial High Pass Filter

VHF-1910+

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS (dB) | | | INPUT RETURN LOSS (dB) | | | OUTPUT RETURNLOSS (dB) | | |
|----------------|------------------------|----------|-----------|---------------------------|----------|-----------|---------------------------|----------|-----------|
| | @ -55° C | @ +25° C | @ +100° C | @ -55° C | @ +25° C | @ +100° C | @ -55° C | @ +25° C | @ +100° C |
| 1 | 102.00 | 90.73 | 92.57 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 |
| 50 | 79.75 | 66.58 | 69.27 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 |
| 100 | 84.54 | 76.02 | 69.87 | 0.01 | 0.01 | 0.01 | 0.00 | 0.02 | 0.01 |
| 205 | 83.05 | 72.52 | 70.81 | 0.00 | 0.02 | 0.05 | 0.01 | 0.00 | 0.01 |
| 495 | 78.81 | 88.48 | 81.38 | 0.02 | 0.06 | 0.09 | 0.02 | 0.05 | 0.09 |
| 700 | 63.08 | 63.74 | 62.33 | 0.01 | 0.11 | 0.11 | 0.06 | 0.11 | 0.14 |
| 800 | 56.89 | 56.32 | 56.15 | 0.06 | 0.16 | 0.17 | 0.07 | 0.12 | 0.13 |
| 1000 | 46.24 | 45.93 | 45.64 | 0.10 | 0.24 | 0.25 | 0.12 | 0.19 | 0.21 |
| 1075 | 42.44 | 42.24 | 41.89 | 0.14 | 0.27 | 0.28 | 0.16 | 0.22 | 0.27 |
| 1100 | 41.24 | 40.95 | 40.61 | 0.14 | 0.29 | 0.28 | 0.19 | 0.24 | 0.29 |
| 1130 | 39.75 | 39.42 | 39.10 | 0.14 | 0.28 | 0.29 | 0.20 | 0.28 | 0.32 |
| 1330 | 29.58 | 29.23 | 28.82 | 0.24 | 0.40 | 0.42 | 0.29 | 0.38 | 0.44 |
| 1400 | 25.94 | 25.59 | 25.14 | 0.32 | 0.46 | 0.50 | 0.38 | 0.49 | 0.56 |
| 1520 | 19.50 | 19.08 | 18.58 | 0.43 | 0.60 | 0.67 | 0.56 | 0.72 | 0.83 |
| 1615 | 14.30 | 13.84 | 13.34 | 0.69 | 0.89 | 1.04 | 0.85 | 1.09 | 1.28 |
| 1715 | 9.05 | 8.60 | 8.16 | 1.40 | 1.73 | 2.04 | 1.68 | 2.09 | 2.53 |
| 1830 | 4.11 | 3.92 | 3.75 | 3.80 | 4.47 | 5.11 | 4.50 | 5.40 | 6.32 |
| 1910 | 2.17 | 2.20 | 2.23 | 7.04 | 7.89 | 8.56 | 8.29 | 9.57 | 10.73 |
| 1950 | 1.63 | 1.74 | 1.81 | 8.92 | 9.72 | 10.34 | 10.53 | 11.83 | 12.90 |
| 2000 | 1.27 | 1.44 | 1.53 | 11.01 | 11.64 | 12.06 | 12.99 | 14.07 | 14.69 |
| 2050 | 1.03 | 1.22 | 1.35 | 12.65 | 13.08 | 13.36 | 14.64 | 15.30 | 15.51 |
| 2100 | 0.92 | 1.12 | 1.22 | 13.74 | 14.11 | 14.32 | 15.29 | 15.64 | 15.67 |
| 2150 | 0.83 | 1.01 | 1.12 | 14.57 | 14.97 | 15.22 | 15.75 | 16.00 | 16.02 |
| 2200 | 0.77 | 0.95 | 1.07 | 15.31 | 15.85 | 16.18 | 16.18 | 16.42 | 16.49 |
| 2280 | 0.65 | 0.84 | 0.95 | 16.71 | 17.39 | 17.90 | 17.10 | 17.34 | 17.56 |
| 3000 | 0.38 | 0.58 | 0.67 | 18.62 | 18.65 | 19.42 | 18.53 | 18.90 | 19.51 |
| 4000 | 0.36 | 0.57 | 0.70 | 17.03 | 16.33 | 15.64 | 17.32 | 16.89 | 16.21 |
| 4400 | 0.61 | 0.84 | 1.00 | 10.93 | 10.79 | 10.62 | 11.08 | 10.84 | 10.65 |
| 4450 | 0.67 | 0.92 | 1.06 | 10.38 | 10.33 | 10.20 | 10.56 | 10.36 | 10.20 |
| 4500 | 0.72 | 0.96 | 1.10 | 9.95 | 9.94 | 9.84 | 10.08 | 9.90 | 9.78 |
| 4620 | 0.84 | 1.09 | 1.23 | 8.83 | 8.94 | 8.92 | 8.98 | 8.86 | 8.84 |
| 4870 | 1.19 | 1.43 | 1.56 | 7.20 | 7.34 | 7.41 | 7.32 | 7.27 | 7.31 |
| 5200 | 1.63 | 1.89 | 2.02 | 5.66 | 5.88 | 5.95 | 5.73 | 5.73 | 5.79 |
| 5960 | 2.64 | 2.97 | 3.20 | 3.74 | 3.86 | 3.98 | 3.74 | 3.79 | 3.84 |
| 7000 | 4.00 | 4.33 | 4.61 | 2.47 | 2.66 | 2.80 | 2.42 | 2.60 | 2.81 |
| 8000 | 5.28 | 5.63 | 5.90 | 1.67 | 1.96 | 2.04 | 1.79 | 2.01 | 2.30 |
| 9000 | 6.38 | 6.79 | 7.25 | 1.21 | 1.45 | 1.49 | 1.55 | 1.71 | 1.85 |
| 10000 | 7.70 | 8.04 | 8.39 | 0.91 | 1.24 | 1.46 | 1.08 | 1.31 | 1.45 |
| 10740 | 8.28 | 9.38 | 11.93 | 1.11 | 1.63 | 1.83 | 1.92 | 3.51 | 4.80 |
| 11530 | 22.20 | 25.23 | 23.50 | 0.60 | 1.08 | 1.45 | 0.77 | 1.15 | 1.53 |
| 12000 | 11.39 | 9.50 | 8.31 | 1.14 | 2.02 | 2.86 | 1.56 | 2.48 | 3.55 |
| 13000 | 1.69 | 2.59 | 2.63 | 8.40 | 8.26 | 8.17 | 10.38 | 10.17 | 9.48 |

REV. X1
VHF-1910+
080723
age 1 of 1



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