

Coaxial Low Pass Filter

VLF-160+

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 |
| 40 | 0.25 | 0.32 | 0.36 | 31.60 | 30.04 | 28.08 | 31.23 | 29.65 | 27.93 |
| 50 | 0.27 | 0.32 | 0.36 | 30.79 | 29.57 | 27.77 | 30.19 | 29.00 | 27.41 |
| 80 | 0.36 | 0.42 | 0.47 | 30.14 | 29.19 | 27.83 | 28.64 | 27.64 | 26.64 |
| 100 | 0.43 | 0.50 | 0.55 | 30.44 | 29.37 | 28.28 | 28.29 | 27.08 | 26.25 |
| 150 | 0.66 | 0.76 | 0.83 | 27.70 | 28.11 | 29.55 | 24.83 | 24.46 | 24.46 |
| 160 | 0.73 | 0.83 | 0.90 | 25.45 | 26.06 | 27.74 | 23.29 | 23.20 | 23.41 |
| 175 | 0.86 | 0.97 | 1.06 | 21.73 | 22.28 | 23.48 | 20.74 | 20.90 | 21.24 |
| 205 | 1.35 | 1.48 | 1.59 | 14.23 | 14.58 | 14.96 | 15.14 | 15.53 | 15.77 |
| 230 | 2.44 | 2.56 | 2.68 | 8.56 | 8.94 | 9.18 | 10.34 | 10.99 | 11.36 |
| 235 | 2.82 | 2.92 | 3.04 | 7.55 | 7.94 | 8.18 | 9.42 | 10.13 | 10.55 |
| 250 | 4.54 | 4.56 | 4.64 | 4.90 | 5.30 | 5.56 | 6.94 | 7.74 | 8.32 |
| 275 | 10.14 | 9.89 | 9.78 | 2.23 | 2.53 | 2.75 | 4.24 | 4.87 | 5.49 |
| 290 | 15.43 | 14.96 | 14.72 | 1.56 | 1.79 | 1.96 | 3.44 | 3.92 | 4.40 |
| 300 | 19.78 | 19.14 | 18.80 | 1.33 | 1.54 | 1.69 | 3.12 | 3.53 | 3.92 |
| 315 | 27.53 | 26.61 | 26.11 | 1.15 | 1.34 | 1.47 | 2.82 | 3.17 | 3.48 |
| 325 | 33.39 | 32.36 | 31.78 | 1.09 | 1.27 | 1.40 | 2.68 | 3.03 | 3.30 |
| 330 | 36.36 | 35.40 | 34.82 | 1.06 | 1.24 | 1.37 | 2.62 | 2.97 | 3.24 |
| 335 | 39.08 | 38.38 | 37.94 | 1.05 | 1.23 | 1.36 | 2.59 | 2.97 | 3.23 |
| 350 | 42.18 | 43.21 | 44.22 | 1.01 | 1.19 | 1.31 | 2.47 | 2.84 | 3.14 |
| 420 | 35.06 | 35.15 | 35.20 | 0.85 | 1.01 | 1.15 | 1.84 | 2.15 | 2.48 |
| 480 | 39.79 | 39.40 | 39.15 | 0.74 | 0.89 | 1.01 | 1.28 | 1.48 | 1.68 |
| 515 | 46.45 | 45.45 | 44.83 | 0.67 | 0.81 | 0.92 | 1.01 | 1.17 | 1.33 |
| 535 | 53.05 | 51.16 | 49.97 | 0.64 | 0.77 | 0.88 | 0.88 | 1.03 | 1.16 |
| 550 | 58.87 | 56.79 | 55.06 | 0.63 | 0.76 | 0.87 | 0.81 | 0.94 | 1.06 |
| 560 | 56.89 | 57.85 | 57.54 | 0.62 | 0.75 | 0.85 | 0.76 | 0.89 | 1.00 |
| 680 | 44.95 | 45.08 | 45.20 | 0.46 | 0.57 | 0.65 | 0.41 | 0.49 | 0.55 |
| 800 | 48.84 | 48.32 | 48.04 | 0.35 | 0.43 | 0.50 | 0.30 | 0.35 | 0.40 |
| 920 | 62.22 | 59.17 | 57.62 | 0.27 | 0.34 | 0.41 | 0.24 | 0.27 | 0.31 |
| 1350 | 59.41 | 60.01 | 60.47 | 0.16 | 0.21 | 0.25 | 0.21 | 0.23 | 0.26 |
| 1900 | 41.76 | 41.93 | 42.07 | 0.16 | 0.19 | 0.22 | 0.19 | 0.23 | 0.26 |
| 2700 | 35.54 | 34.80 | 34.32 | 0.81 | 0.65 | 0.59 | 0.18 | 0.22 | 0.28 |
| 2900 | 24.17 | 23.97 | 25.35 | 2.32 | 5.05 | 7.60 | 0.33 | 0.33 | 0.38 |
| 3200 | 27.02 | 27.12 | 27.21 | 0.37 | 0.42 | 0.45 | 0.44 | 0.75 | 1.07 |
| 6100 | 18.76 | 19.67 | 20.19 | 3.66 | 4.52 | 4.43 | 0.52 | 0.58 | 0.67 |
| 7200 | 14.44 | 14.67 | 14.93 | 0.32 | 0.54 | 0.78 | 2.56 | 2.20 | 1.99 |
| 8500 | 31.97 | 33.45 | 36.12 | 0.24 | 0.49 | 0.80 | 1.29 | 1.52 | 1.75 |
| 11000 | 20.60 | 19.33 | 19.24 | 1.41 | 1.37 | 1.28 | 2.15 | 2.31 | 2.59 |
| 12000 | 17.34 | 19.28 | 22.22 | 3.78 | 2.87 | 2.37 | 3.81 | 3.32 | 3.41 |
| 13000 | 18.06 | 20.19 | 22.79 | 1.35 | 1.26 | 1.41 | 3.26 | 3.29 | 3.99 |
| 14000 | 11.97 | 12.64 | 13.73 | 1.69 | 2.04 | 2.50 | 4.71 | 3.99 | 3.91 |
| 16000 | 11.11 | 11.50 | 12.06 | 0.73 | 1.05 | 1.33 | 2.83 | 2.80 | 2.85 |
| 18000 | 14.37 | 17.17 | 19.70 | 0.25 | 0.62 | 1.23 | 1.27 | 1.88 | 2.59 |

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071008
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