

Ceramic Low Pass Filter

LFCN-1575+

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 |
| 50 | 0.05 | 0.06 | 0.07 | 37.13 | 35.31 | 34.08 | 37.30 | 35.49 | 34.32 |
| 100 | 0.07 | 0.08 | 0.10 | 35.87 | 34.37 | 33.15 | 36.01 | 34.47 | 33.19 |
| 1000 | 0.24 | 0.32 | 0.39 | 25.13 | 24.91 | 24.82 | 23.93 | 23.42 | 23.00 |
| 1500 | 0.52 | 0.65 | 0.76 | 17.15 | 17.38 | 17.53 | 17.20 | 17.31 | 17.31 |
| 1575 | 0.60 | 0.74 | 0.86 | 17.06 | 17.36 | 17.58 | 16.89 | 17.00 | 17.06 |
| 1690 | 0.77 | 0.95 | 1.11 | 16.95 | 17.27 | 17.54 | 15.97 | 16.02 | 16.09 |
| 1875 | 2.29 | 2.71 | 3.15 | 8.49 | 8.19 | 7.94 | 8.09 | 7.90 | 7.74 |
| 1885 | 2.53 | 2.99 | 3.46 | 7.83 | 7.55 | 7.30 | 7.51 | 7.35 | 7.19 |
| 1935 | 4.30 | 4.97 | 5.67 | 4.87 | 4.72 | 4.57 | 4.91 | 4.86 | 4.78 |
| 2005 | 8.98 | 10.01 | 11.08 | 2.26 | 2.30 | 2.33 | 2.57 | 2.68 | 2.76 |
| 2055 | 14.13 | 15.40 | 16.71 | 1.39 | 1.51 | 1.60 | 1.78 | 1.94 | 2.08 |
| 2090 | 18.68 | 20.16 | 21.69 | 1.06 | 1.20 | 1.32 | 1.48 | 1.66 | 1.81 |
| 2120 | 23.39 | 25.13 | 26.94 | 0.89 | 1.04 | 1.17 | 1.32 | 1.50 | 1.65 |
| 2145 | 28.25 | 30.35 | 32.52 | 0.79 | 0.95 | 1.08 | 1.22 | 1.39 | 1.54 |
| 2175 | 36.27 | 38.73 | 40.50 | 0.70 | 0.86 | 0.99 | 1.13 | 1.30 | 1.44 |
| 2200 | 43.76 | 42.56 | 40.78 | 0.65 | 0.81 | 0.95 | 1.07 | 1.24 | 1.38 |
| 2225 | 39.85 | 38.22 | 37.21 | 0.61 | 0.77 | 0.90 | 1.02 | 1.18 | 1.31 |
| 2280 | 35.63 | 35.78 | 35.95 | 0.53 | 0.68 | 0.82 | 0.91 | 1.06 | 1.18 |
| 2360 | 39.51 | 40.33 | 41.10 | 0.41 | 0.57 | 0.71 | 0.77 | 0.91 | 1.03 |
| 2430 | 47.21 | 47.03 | 46.39 | 0.40 | 0.57 | 0.71 | 0.70 | 0.83 | 0.95 |
| 2600 | 34.20 | 33.97 | 33.79 | 0.33 | 0.49 | 0.63 | 0.55 | 0.69 | 0.82 |
| 2900 | 30.49 | 30.60 | 30.77 | 0.34 | 0.49 | 0.62 | 0.40 | 0.54 | 0.68 |
| 3500 | 34.12 | 34.44 | 34.78 | 0.29 | 0.42 | 0.52 | 0.31 | 0.45 | 0.59 |
| 4000 | 39.01 | 39.31 | 39.65 | 0.28 | 0.41 | 0.51 | 0.28 | 0.43 | 0.53 |
| 4490 | 40.57 | 40.88 | 41.18 | 0.26 | 0.43 | 0.55 | 0.29 | 0.42 | 0.52 |
| 5000 | 38.87 | 37.86 | 38.26 | 0.21 | 0.42 | 0.57 | 0.30 | 0.43 | 0.53 |
| 5500 | 34.29 | 35.58 | 35.43 | 0.30 | 0.47 | 0.66 | 0.34 | 0.47 | 0.60 |
| 6000 | 31.84 | 31.56 | 31.69 | 0.42 | 0.62 | 0.83 | 0.34 | 0.51 | 0.66 |
| 6500 | 28.31 | 29.75 | 29.79 | 0.56 | 0.70 | 0.91 | 0.43 | 0.58 | 0.79 |
| 6800 | 27.05 | 27.75 | 27.46 | 0.64 | 0.80 | 1.01 | 0.51 | 0.66 | 0.90 |
| 7000 | 24.73 | 25.25 | 25.07 | 0.70 | 0.88 | 1.09 | 0.64 | 0.86 | 1.12 |
| 7100 | 23.36 | 22.40 | 21.17 | 0.75 | 0.94 | 1.21 | 0.68 | 0.98 | 1.40 |
| 7320 | 9.97 | 10.53 | 11.96 | 2.06 | 2.00 | 1.83 | 7.48 | 5.98 | 3.96 |
| 8000 | 20.31 | 20.37 | 20.50 | 0.60 | 0.84 | 1.05 | 0.58 | 0.77 | 1.02 |
| 9000 | 19.18 | 18.66 | 18.38 | 0.70 | 0.91 | 1.03 | 1.74 | 2.31 | 2.20 |
| 10000 | 16.15 | 16.10 | 16.45 | 0.68 | 1.04 | 1.23 | 0.78 | 0.99 | 1.15 |
| 12000 | 12.10 | 12.35 | 12.46 | 0.86 | 1.22 | 1.60 | 0.82 | 1.08 | 1.38 |
| 13000 | 12.05 | 11.76 | 11.88 | 1.15 | 1.63 | 2.06 | 1.08 | 1.42 | 1.81 |
| 14200 | 7.86 | 8.65 | 9.34 | 3.74 | 4.21 | 4.85 | 2.95 | 3.26 | 3.47 |
| 16000 | 17.81 | 17.92 | 18.31 | 1.95 | 2.69 | 3.47 | 3.07 | 3.41 | 3.81 |

REV. X1
LFCN-1575+
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Page 1 of 1



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