

Ceramic Low Pass Filter

LFCN-630D+

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 | 0.02 | 0.05 | 0.07 | 47.63 | 46.06 | 45.03 | 47.60 | 46.06 | 45.00 |
| 50 | 0.11 | 0.14 | 0.16 | 34.19 | 32.62 | 31.86 | 34.16 | 32.65 | 31.83 |
| 100 | 0.15 | 0.18 | 0.21 | 32.09 | 31.11 | 30.56 | 33.08 | 31.97 | 31.36 |
| 630 | 0.60 | 0.75 | 0.87 | 24.85 | 24.48 | 23.91 | 25.48 | 25.28 | 24.83 |
| 700 | 0.77 | 0.95 | 1.12 | 21.69 | 21.02 | 20.31 | 23.20 | 22.64 | 22.00 |
| 830 | 1.62 | 2.02 | 2.40 | 16.41 | 15.67 | 14.80 | 20.51 | 19.65 | 18.39 |
| 840 | 1.84 | 2.29 | 2.74 | 14.16 | 13.40 | 12.56 | 16.79 | 15.97 | 14.93 |
| 865 | 2.82 | 3.49 | 4.18 | 8.88 | 8.28 | 7.68 | 10.10 | 9.53 | 8.91 |
| 900 | 5.97 | 7.06 | 8.12 | 3.98 | 3.80 | 3.63 | 4.69 | 4.57 | 4.42 |
| 935 | 11.37 | 12.72 | 13.99 | 1.90 | 1.97 | 2.01 | 2.43 | 2.57 | 2.65 |
| 955 | 15.07 | 16.49 | 17.81 | 1.41 | 1.53 | 1.61 | 1.88 | 2.07 | 2.20 |
| 970 | 18.01 | 19.47 | 20.83 | 1.18 | 1.32 | 1.42 | 1.64 | 1.84 | 1.98 |
| 1000 | 24.29 | 25.84 | 27.29 | 0.95 | 1.09 | 1.20 | 1.34 | 1.54 | 1.70 |
| 1020 | 28.82 | 30.47 | 32.01 | 0.87 | 1.01 | 1.12 | 1.21 | 1.42 | 1.57 |
| 1040 | 33.74 | 35.54 | 37.24 | 0.81 | 0.94 | 1.05 | 1.12 | 1.33 | 1.48 |
| 1050 | 36.43 | 38.34 | 40.15 | 0.78 | 0.91 | 1.02 | 1.09 | 1.29 | 1.44 |
| 1065 | 40.84 | 42.95 | 44.98 | 0.74 | 0.88 | 0.98 | 1.04 | 1.23 | 1.38 |
| 1130 | 70.27 | 66.95 | 64.94 | 0.65 | 0.78 | 0.88 | 0.87 | 1.05 | 1.19 |
| 1250 | 52.87 | 52.91 | 52.91 | 0.54 | 0.67 | 0.78 | 0.67 | 0.84 | 0.96 |
| 1360 | 48.09 | 48.49 | 48.88 | 0.48 | 0.61 | 0.71 | 0.55 | 0.69 | 0.81 |
| 1625 | 54.79 | 55.33 | 55.76 | 0.36 | 0.49 | 0.60 | 0.37 | 0.50 | 0.59 |
| 2015 | 71.76 | 74.70 | 79.60 | 0.26 | 0.40 | 0.52 | 0.25 | 0.36 | 0.44 |
| 2500 | 54.64 | 54.20 | 54.19 | 0.23 | 0.36 | 0.46 | 0.17 | 0.28 | 0.35 |
| 3000 | 47.67 | 51.23 | 51.12 | 0.25 | 0.35 | 0.44 | 0.21 | 0.29 | 0.35 |
| 3500 | 44.31 | 45.12 | 46.33 | 0.26 | 0.38 | 0.47 | 0.17 | 0.29 | 0.36 |
| 4000 | 43.70 | 42.34 | 42.46 | 0.24 | 0.39 | 0.48 | 0.15 | 0.29 | 0.39 |
| 4500 | 34.74 | 35.87 | 36.82 | 0.26 | 0.39 | 0.53 | 0.22 | 0.35 | 0.47 |
| 5000 | 29.02 | 30.26 | 31.04 | 0.37 | 0.49 | 0.65 | 0.33 | 0.45 | 0.60 |
| 5400 | 24.78 | 22.43 | 23.85 | 1.49 | 1.92 | 1.38 | 0.34 | 0.56 | 0.65 |
| 6000 | 23.85 | 23.74 | 24.70 | 0.50 | 0.67 | 0.92 | 0.39 | 0.55 | 0.72 |
| 6500 | 23.55 | 23.95 | 24.28 | 0.43 | 0.66 | 0.89 | 0.25 | 0.45 | 0.62 |
| 7000 | 22.24 | 22.42 | 22.45 | 0.47 | 0.68 | 0.90 | 0.31 | 0.49 | 0.66 |
| 7500 | 21.49 | 21.62 | 21.97 | 0.58 | 0.84 | 1.06 | 0.25 | 0.44 | 0.60 |
| 8000 | 20.48 | 20.87 | 20.92 | 0.59 | 0.79 | 1.07 | 0.21 | 0.37 | 0.54 |
| 9000 | 17.84 | 18.13 | 18.05 | 0.85 | 1.06 | 1.22 | 0.26 | 0.52 | 0.75 |
| 10000 | 16.42 | 16.41 | 16.32 | 0.86 | 1.09 | 1.31 | 0.44 | 0.77 | 1.05 |
| 11000 | 16.72 | 17.28 | 17.81 | 0.79 | 1.14 | 1.50 | 0.93 | 1.37 | 1.78 |
| 12000 | 28.13 | 29.41 | 31.11 | 3.20 | 2.71 | 2.75 | 1.76 | 2.26 | 2.61 |
| 14000 | 14.76 | 15.59 | 16.48 | 1.77 | 2.16 | 2.40 | 2.47 | 2.87 | 3.41 |
| 16000 | 16.34 | 16.48 | 17.40 | 4.05 | 4.15 | 4.68 | 3.64 | 3.73 | 3.95 |
| 18000 | 18.32 | 17.01 | 17.60 | 9.63 | 8.70 | 7.58 | 7.01 | 11.23 | 16.94 |
| 20000 | 8.59 | 9.08 | 9.82 | 6.52 | 7.10 | 7.66 | 1.66 | 2.20 | 2.75 |

