

Ceramic Low Pass Filter

LFCN-6700+

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 | 0.03 | 0.05 | 0.05 | 40.67 | 38.15 | 36.52 | 40.25 | 37.82 | 36.50 |
| 100 | 0.05 | 0.06 | 0.07 | 40.35 | 37.59 | 35.75 | 40.34 | 37.70 | 35.81 |
| 200 | 0.05 | 0.07 | 0.09 | 34.69 | 34.93 | 34.68 | 34.98 | 35.33 | 35.22 |
| 500 | 0.08 | 0.11 | 0.13 | 29.02 | 29.48 | 30.54 | 29.50 | 30.23 | 31.40 |
| 1000 | 0.10 | 0.16 | 0.20 | 25.77 | 26.14 | 27.33 | 26.40 | 26.86 | 28.16 |
| 2000 | 0.13 | 0.21 | 0.29 | 30.68 | 31.75 | 31.60 | 32.08 | 33.95 | 34.37 |
| 3000 | 0.18 | 0.30 | 0.40 | 26.59 | 25.88 | 25.10 | 26.99 | 26.29 | 25.52 |
| 4000 | 0.21 | 0.37 | 0.51 | 21.49 | 21.13 | 21.14 | 21.41 | 21.01 | 20.95 |
| 5000 | 0.28 | 0.46 | 0.64 | 18.90 | 18.81 | 18.28 | 18.66 | 18.67 | 18.36 |
| 6000 | 0.48 | 0.69 | 0.91 | 16.11 | 16.21 | 16.24 | 16.81 | 16.84 | 16.88 |
| 6350 | 0.62 | 0.85 | 1.08 | 14.81 | 14.77 | 14.75 | 16.37 | 16.33 | 16.44 |
| 6700 | 0.85 | 1.12 | 1.38 | 13.21 | 13.02 | 12.80 | 16.31 | 16.24 | 16.22 |
| 7200 | 1.43 | 1.76 | 2.08 | 9.89 | 9.68 | 9.40 | 13.56 | 13.35 | 13.41 |
| 7600 | 2.53 | 2.98 | 3.39 | 6.27 | 6.20 | 6.06 | 8.42 | 8.17 | 8.07 |
| 7900 | 4.26 | 4.94 | 5.54 | 3.66 | 3.62 | 3.54 | 4.95 | 4.79 | 4.49 |
| 8100 | 6.09 | 6.93 | 7.71 | 2.37 | 2.45 | 2.54 | 3.09 | 3.02 | 2.88 |
| 8350 | 9.15 | 10.23 | 11.23 | 1.40 | 1.59 | 1.81 | 1.68 | 1.71 | 1.70 |
| 8500 | 11.49 | 12.64 | 13.68 | 1.05 | 1.31 | 1.59 | 1.17 | 1.28 | 1.33 |
| 8660 | 14.09 | 15.36 | 16.48 | 0.87 | 1.14 | 1.44 | 0.84 | 1.00 | 1.11 |
| 8900 | 18.37 | 19.73 | 20.99 | 0.77 | 1.09 | 1.41 | 0.55 | 0.78 | 0.96 |
| 8950 | 19.32 | 20.68 | 21.92 | 0.72 | 1.04 | 1.36 | 0.50 | 0.74 | 0.95 |
| 9200 | 24.08 | 25.54 | 27.01 | 0.71 | 1.01 | 1.31 | 0.39 | 0.66 | 0.89 |
| 9300 | 25.96 | 27.44 | 29.04 | 0.76 | 1.05 | 1.35 | 0.38 | 0.66 | 0.92 |
| 9350 | 26.73 | 28.31 | 29.86 | 0.79 | 1.06 | 1.36 | 0.38 | 0.65 | 0.92 |
| 9500 | 29.33 | 30.25 | 31.29 | 0.76 | 1.08 | 1.39 | 0.37 | 0.66 | 0.98 |
| 9650 | 30.66 | 31.27 | 32.06 | 0.82 | 1.07 | 1.36 | 0.34 | 0.66 | 1.01 |
| 10100 | 29.57 | 29.74 | 29.10 | 0.93 | 1.17 | 1.45 | 0.45 | 0.77 | 1.16 |
| 11000 | 23.79 | 24.28 | 23.61 | 0.92 | 1.27 | 1.54 | 0.68 | 0.94 | 1.29 |
| 11660 | 21.34 | 21.12 | 20.83 | 0.90 | 1.18 | 1.46 | 0.75 | 1.09 | 1.41 |
| 12000 | 19.75 | 20.06 | 19.85 | 1.00 | 1.27 | 1.55 | 0.97 | 1.20 | 1.49 |
| 12800 | 17.97 | 18.51 | 18.56 | 1.27 | 1.35 | 1.50 | 1.23 | 1.58 | 1.69 |
| 13900 | 16.59 | 16.66 | 17.18 | 1.10 | 1.51 | 1.77 | 1.66 | 2.13 | 2.36 |
| 14900 | 17.91 | 18.01 | 18.16 | 0.99 | 1.54 | 2.10 | 2.01 | 2.30 | 2.56 |
| 15700 | 18.05 | 18.08 | 18.57 | 1.38 | 1.79 | 2.33 | 1.93 | 2.32 | 2.87 |
| 16300 | 18.42 | 18.67 | 19.08 | 1.60 | 1.96 | 2.57 | 2.16 | 2.32 | 2.81 |
| 16500 | 18.48 | 18.64 | 19.32 | 1.77 | 2.14 | 2.75 | 1.88 | 2.26 | 2.73 |
| 17000 | 18.76 | 19.13 | 19.25 | 3.87 | 5.96 | 7.32 | 2.02 | 2.18 | 2.49 |
| 18000 | 19.30 | 20.01 | 20.26 | 2.48 | 2.70 | 3.05 | 1.41 | 1.77 | 2.21 |
| 18560 | 21.02 | 21.99 | 22.82 | 1.95 | 2.21 | 2.36 | 1.13 | 1.49 | 1.95 |
| 19000 | 23.61 | 24.75 | 25.29 | 1.52 | 1.58 | 1.72 | 1.00 | 1.36 | 1.81 |
| 19200 | 25.20 | 26.32 | 26.84 | 1.30 | 1.55 | 1.73 | 0.72 | 1.19 | 1.77 |
| 20000 | 26.83 | 26.15 | 25.64 | 0.67 | 1.21 | 1.72 | 0.40 | 0.80 | 1.35 |

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080722
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