

Ceramic Low Pass Filter

LFCN-6000D+

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 | 0.04 | 0.05 | 0.06 | 41.50 | 38.70 | 37.09 | 41.26 | 38.52 | 36.95 |
| 100 | 0.04 | 0.05 | 0.07 | 42.05 | 39.17 | 37.06 | 42.06 | 38.91 | 36.80 |
| 200 | 0.05 | 0.07 | 0.10 | 36.92 | 36.82 | 37.08 | 36.95 | 37.01 | 37.42 |
| 500 | 0.07 | 0.11 | 0.14 | 31.30 | 32.06 | 33.93 | 31.95 | 33.02 | 35.49 |
| 1000 | 0.10 | 0.15 | 0.20 | 27.77 | 29.02 | 30.81 | 28.66 | 30.50 | 32.96 |
| 2000 | 0.13 | 0.22 | 0.30 | 34.18 | 35.55 | 35.15 | 38.05 | 42.30 | 45.89 |
| 3000 | 0.18 | 0.31 | 0.44 | 24.63 | 23.90 | 23.75 | 24.41 | 23.34 | 22.57 |
| 4000 | 0.29 | 0.45 | 0.61 | 17.12 | 16.97 | 17.06 | 16.84 | 16.67 | 16.60 |
| 5000 | 0.41 | 0.61 | 0.80 | 15.27 | 15.27 | 15.03 | 15.11 | 15.23 | 15.20 |
| 5500 | 0.47 | 0.68 | 0.90 | 15.85 | 16.25 | 16.34 | 16.15 | 16.71 | 17.09 |
| 5830 | 0.55 | 0.77 | 1.03 | 17.17 | 17.85 | 18.09 | 18.80 | 20.03 | 21.50 |
| 6000 | 0.66 | 0.91 | 1.17 | 17.86 | 17.90 | 17.68 | 22.10 | 23.20 | 23.86 |
| 6130 | 0.69 | 0.96 | 1.29 | 17.55 | 17.25 | 16.25 | 23.47 | 22.85 | 22.31 |
| 6800 | 2.23 | 2.89 | 3.62 | 6.81 | 6.28 | 5.81 | 7.67 | 7.11 | 6.79 |
| 7090 | 4.33 | 5.13 | 6.03 | 3.68 | 3.50 | 3.34 | 4.20 | 3.93 | 3.79 |
| 7300 | 6.39 | 7.47 | 8.56 | 2.25 | 2.25 | 2.25 | 2.59 | 2.49 | 2.47 |
| 7500 | 9.01 | 10.25 | 11.48 | 1.40 | 1.54 | 1.66 | 1.67 | 1.69 | 1.74 |
| 7700 | 11.97 | 13.39 | 14.78 | 0.93 | 1.15 | 1.36 | 1.12 | 1.21 | 1.27 |
| 7810 | 13.78 | 15.27 | 16.76 | 0.78 | 1.01 | 1.25 | 0.91 | 1.03 | 1.13 |
| 7900 | 15.27 | 16.87 | 18.42 | 0.70 | 0.94 | 1.21 | 0.79 | 0.95 | 1.05 |
| 8070 | 18.36 | 20.09 | 21.77 | 0.57 | 0.87 | 1.20 | 0.64 | 0.83 | 0.95 |
| 8300 | 22.83 | 24.87 | 26.67 | 0.53 | 0.83 | 1.18 | 0.49 | 0.72 | 0.87 |
| 8400 | 24.85 | 27.00 | 28.77 | 0.53 | 0.86 | 1.22 | 0.48 | 0.72 | 0.89 |
| 8500 | 27.16 | 29.50 | 31.25 | 0.52 | 0.83 | 1.22 | 0.47 | 0.71 | 0.90 |
| 8700 | 31.10 | 34.12 | 34.39 | 0.55 | 0.86 | 1.24 | 0.40 | 0.68 | 0.92 |
| 8950 | 33.87 | 34.74 | 34.56 | 0.64 | 0.93 | 1.29 | 0.42 | 0.72 | 0.99 |
| 9400 | 31.82 | 31.25 | 31.45 | 0.67 | 1.03 | 1.30 | 0.47 | 0.81 | 1.13 |
| 9720 | 28.68 | 29.67 | 29.80 | 0.70 | 1.01 | 1.25 | 0.49 | 0.81 | 1.13 |
| 10400 | 24.88 | 25.91 | 26.24 | 0.74 | 1.05 | 1.23 | 0.51 | 0.83 | 1.14 |
| 10500 | 26.22 | 26.02 | 25.47 | 0.67 | 1.08 | 1.32 | 0.46 | 0.78 | 1.09 |
| 11000 | 22.95 | 23.96 | 23.44 | 0.75 | 1.08 | 1.29 | 0.63 | 0.89 | 1.15 |
| 12000 | 21.57 | 21.76 | 21.37 | 0.84 | 1.08 | 1.33 | 0.70 | 0.97 | 1.29 |
| 12320 | 20.19 | 20.98 | 21.19 | 0.90 | 1.08 | 1.32 | 0.85 | 1.08 | 1.34 |
| 13800 | 19.57 | 19.35 | 20.28 | 1.20 | 1.85 | 2.71 | 1.19 | 1.54 | 1.85 |
| 14500 | 20.83 | 19.86 | 20.44 | 3.26 | 10.34 | 6.91 | 1.58 | 2.02 | 2.22 |
| 15800 | 18.67 | 17.66 | 19.13 | 1.61 | 2.07 | 2.48 | 1.62 | 2.09 | 2.14 |
| 16400 | 18.60 | 17.80 | 19.55 | 1.79 | 2.20 | 2.52 | 1.55 | 2.11 | 2.11 |
| 17000 | 18.33 | 18.49 | 20.42 | 1.94 | 2.53 | 2.76 | 1.42 | 1.89 | 2.03 |
| 18000 | 20.96 | 20.65 | 23.65 | 1.95 | 2.58 | 2.60 | 0.98 | 1.51 | 1.76 |
| 19000 | 27.59 | 28.47 | 28.76 | 1.51 | 1.74 | 1.93 | 0.57 | 1.03 | 1.43 |
| 20000 | 28.43 | 27.71 | 28.25 | 0.79 | 1.55 | 2.54 | 0.20 | 0.64 | 1.11 |

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080722
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