

Ceramic Low Pass Filter

LFCN-2250+

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 | 0.04 | 0.05 | 36.05 | 34.57 | 33.45 | 35.64 | 34.22 | 33.21 |
| 100 | 0.04 | 0.05 | 0.06 | 38.34 | 36.62 | 35.26 | 38.59 | 36.73 | 35.20 |
| 200 | 0.05 | 0.07 | 0.09 | 34.90 | 35.94 | 37.12 | 34.82 | 36.00 | 36.73 |
| 400 | 0.07 | 0.11 | 0.14 | 33.54 | 34.69 | 37.38 | 32.96 | 33.83 | 37.20 |
| 800 | 0.11 | 0.18 | 0.23 | 33.02 | 35.36 | 41.46 | 30.35 | 31.23 | 33.23 |
| 1000 | 0.14 | 0.20 | 0.28 | 34.12 | 36.01 | 38.17 | 30.25 | 30.23 | 29.93 |
| 1500 | 0.23 | 0.32 | 0.42 | 29.30 | 29.32 | 27.64 | 27.59 | 26.80 | 24.58 |
| 2000 | 0.41 | 0.54 | 0.70 | 25.06 | 25.42 | 25.58 | 23.66 | 23.57 | 23.24 |
| 2180 | 0.59 | 0.76 | 0.96 | 21.34 | 20.83 | 20.75 | 19.97 | 19.39 | 19.07 |
| 2250 | 0.70 | 0.90 | 1.12 | 19.17 | 18.76 | 18.81 | 17.89 | 17.43 | 17.22 |
| 2270 | 0.76 | 0.96 | 1.19 | 18.43 | 18.11 | 18.16 | 17.19 | 16.80 | 16.60 |
| 2520 | 2.15 | 2.63 | 3.24 | 12.59 | 13.02 | 13.49 | 9.48 | 9.10 | 8.69 |
| 2575 | 3.35 | 4.11 | 5.10 | 10.24 | 10.22 | 10.00 | 6.89 | 6.45 | 5.97 |
| 2655 | 7.82 | 9.31 | 11.12 | 4.99 | 4.83 | 4.70 | 3.04 | 2.93 | 2.90 |
| 2700 | 12.28 | 14.10 | 16.24 | 3.16 | 3.19 | 3.25 | 1.89 | 1.97 | 2.11 |
| 2740 | 17.07 | 19.08 | 21.41 | 2.26 | 2.38 | 2.52 | 1.40 | 1.55 | 1.76 |
| 2770 | 21.13 | 23.14 | 25.51 | 1.86 | 1.99 | 2.17 | 1.22 | 1.37 | 1.61 |
| 2800 | 25.31 | 27.35 | 29.75 | 1.56 | 1.75 | 1.93 | 1.08 | 1.26 | 1.50 |
| 2820 | 27.98 | 30.11 | 32.45 | 1.41 | 1.62 | 1.79 | 1.00 | 1.20 | 1.43 |
| 2850 | 31.87 | 34.29 | 35.78 | 1.24 | 1.44 | 1.64 | 0.93 | 1.12 | 1.36 |
| 2880 | 34.91 | 36.91 | 38.23 | 1.12 | 1.30 | 1.53 | 0.87 | 1.06 | 1.30 |
| 2920 | 38.09 | 38.08 | 38.42 | 1.00 | 1.16 | 1.38 | 0.81 | 0.99 | 1.22 |
| 2950 | 37.88 | 37.63 | 37.71 | 0.90 | 1.10 | 1.32 | 0.77 | 0.96 | 1.19 |
| 3230 | 33.23 | 33.55 | 33.78 | 0.55 | 0.73 | 0.95 | 0.57 | 0.74 | 0.92 |
| 3530 | 39.56 | 40.55 | 41.05 | 0.41 | 0.59 | 0.83 | 0.45 | 0.61 | 0.73 |
| 3700 | 48.02 | 45.44 | 46.12 | 0.38 | 0.56 | 0.81 | 0.41 | 0.55 | 0.68 |
| 4200 | 35.82 | 35.77 | 35.92 | 0.30 | 0.48 | 0.72 | 0.34 | 0.48 | 0.59 |
| 4700 | 34.31 | 34.50 | 34.99 | 0.30 | 0.47 | 0.63 | 0.31 | 0.46 | 0.65 |
| 5000 | 35.62 | 34.00 | 35.20 | 0.30 | 0.48 | 0.63 | 0.30 | 0.51 | 0.66 |
| 5500 | 31.40 | 33.23 | 34.82 | 0.36 | 0.52 | 0.72 | 0.40 | 0.49 | 0.69 |
| 6000 | 28.71 | 33.65 | 32.66 | 0.47 | 0.57 | 0.96 | 0.46 | 0.49 | 0.80 |
| 6650 | 28.03 | 30.78 | 28.29 | 0.49 | 0.66 | 1.14 | 0.41 | 0.54 | 0.85 |
| 7200 | 22.55 | 22.60 | 21.08 | 0.65 | 0.86 | 1.29 | 0.51 | 0.75 | 1.09 |
| 7330 | 19.64 | 19.37 | 18.02 | 0.71 | 0.93 | 1.39 | 0.66 | 0.86 | 1.26 |
| 7500 | 14.50 | 13.76 | 12.03 | 1.11 | 1.29 | 1.97 | 1.20 | 1.57 | 2.52 |
| 7630 | 8.86 | 7.62 | 6.85 | 2.16 | 2.94 | 3.92 | 3.46 | 5.78 | 11.15 |
| 7700 | 5.86 | 5.81 | 6.73 | 3.78 | 4.26 | 3.82 | 10.26 | 15.26 | 9.35 |
| 7760 | 5.58 | 6.74 | 8.38 | 3.77 | 3.15 | 2.70 | 10.21 | 6.13 | 4.32 |
| 8000 | 11.66 | 12.62 | 14.05 | 1.20 | 1.18 | 1.60 | 1.20 | 1.16 | 1.34 |
| 9000 | 17.18 | 17.43 | 17.49 | 0.79 | 1.03 | 1.56 | 0.43 | 0.56 | 0.77 |

REV. X1
LFCN-2250+
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Page 1 of 1



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