

Ceramic High Pass Filter

HFCN-2700+

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 | 67.38 | 66.69 | 73.01 | 0.06 | 0.10 | 0.10 | 0.10 | 0.12 | 0.15 |
| 100 | 77.26 | 77.42 | 77.35 | 0.10 | 0.13 | 0.15 | 0.10 | 0.12 | 0.16 |
| 500 | 71.13 | 69.03 | 70.70 | 0.19 | 0.25 | 0.31 | 0.17 | 0.24 | 0.29 |
| 800 | 64.75 | 62.64 | 68.41 | 0.25 | 0.35 | 0.38 | 0.24 | 0.31 | 0.37 |
| 1200 | 61.85 | 61.62 | 62.17 | 0.27 | 0.38 | 0.46 | 0.26 | 0.34 | 0.41 |
| 1335 | 68.45 | 68.68 | 66.70 | 0.28 | 0.40 | 0.49 | 0.28 | 0.39 | 0.48 |
| 1395 | 61.48 | 59.86 | 58.84 | 0.27 | 0.39 | 0.49 | 0.29 | 0.41 | 0.51 |
| 1485 | 50.24 | 49.91 | 49.04 | 0.28 | 0.42 | 0.53 | 0.31 | 0.42 | 0.52 |
| 1500 | 49.03 | 48.61 | 47.69 | 0.29 | 0.43 | 0.54 | 0.30 | 0.43 | 0.51 |
| 1620 | 40.51 | 39.93 | 39.44 | 0.30 | 0.45 | 0.58 | 0.33 | 0.45 | 0.55 |
| 1700 | 35.60 | 35.06 | 34.66 | 0.31 | 0.49 | 0.62 | 0.33 | 0.48 | 0.57 |
| 1790 | 30.63 | 30.16 | 29.74 | 0.37 | 0.56 | 0.66 | 0.35 | 0.50 | 0.64 |
| 1800 | 30.08 | 29.62 | 29.21 | 0.40 | 0.56 | 0.67 | 0.37 | 0.53 | 0.63 |
| 1995 | 20.66 | 20.26 | 19.87 | 0.56 | 0.72 | 0.86 | 0.52 | 0.70 | 0.83 |
| 2115 | 15.49 | 15.17 | 14.81 | 0.77 | 0.95 | 1.10 | 0.69 | 0.89 | 1.04 |
| 2250 | 10.35 | 10.11 | 9.83 | 1.24 | 1.48 | 1.69 | 1.18 | 1.40 | 1.63 |
| 2430 | 5.29 | 5.16 | 5.03 | 2.85 | 3.25 | 3.57 | 2.78 | 3.14 | 3.45 |
| 2500 | 3.88 | 3.85 | 3.77 | 3.87 | 4.31 | 4.71 | 3.79 | 4.20 | 4.56 |
| 2555 | 3.04 | 3.09 | 3.02 | 4.85 | 5.31 | 5.85 | 4.76 | 5.13 | 5.63 |
| 2650 | 2.05 | 2.11 | 2.16 | 6.67 | 7.25 | 7.81 | 6.49 | 7.02 | 7.44 |
| 2670 | 1.91 | 1.99 | 2.03 | 7.10 | 7.70 | 8.27 | 6.93 | 7.45 | 7.90 |
| 2700 | 1.69 | 1.79 | 1.85 | 7.75 | 8.34 | 8.95 | 7.58 | 8.10 | 8.56 |
| 2800 | 1.19 | 1.33 | 1.43 | 9.95 | 10.56 | 11.20 | 9.74 | 10.24 | 10.69 |
| 2900 | 0.90 | 1.04 | 1.16 | 12.25 | 12.81 | 13.47 | 11.91 | 12.38 | 12.80 |
| 2920 | 0.86 | 1.01 | 1.11 | 12.61 | 13.18 | 13.85 | 12.29 | 12.77 | 13.20 |
| 3000 | 0.75 | 0.90 | 1.01 | 14.51 | 15.04 | 15.65 | 13.90 | 14.40 | 14.76 |
| 3200 | 0.52 | 0.69 | 0.81 | 19.04 | 19.87 | 20.22 | 17.78 | 18.47 | 18.77 |
| 4000 | 0.42 | 0.59 | 0.73 | 21.17 | 20.08 | 19.95 | 20.37 | 19.53 | 19.32 |
| 4500 | 0.51 | 0.64 | 0.79 | 20.35 | 20.31 | 20.03 | 19.09 | 19.59 | 19.30 |
| 5000 | 0.42 | 0.61 | 0.74 | 26.92 | 27.97 | 28.16 | 25.25 | 27.40 | 27.82 |
| 5500 | 0.56 | 0.75 | 0.93 | 22.61 | 20.67 | 20.14 | 24.56 | 21.83 | 20.97 |
| 5600 | 0.64 | 0.84 | 0.98 | 19.86 | 18.32 | 17.97 | 21.00 | 19.21 | 18.38 |
| 5700 | 0.57 | 0.89 | 1.05 | 17.61 | 16.54 | 16.13 | 17.97 | 17.16 | 16.40 |
| 5800 | 0.72 | 0.95 | 1.13 | 14.93 | 14.83 | 14.41 | 15.21 | 15.13 | 14.38 |
| 6000 | 0.77 | 1.11 | 1.28 | 12.74 | 12.11 | 11.75 | 13.02 | 12.28 | 11.67 |
| 6500 | 1.58 | 1.85 | 2.20 | 7.40 | 7.52 | 7.65 | 7.40 | 7.52 | 7.53 |
| 7000 | 2.67 | 2.91 | 3.20 | 4.75 | 4.92 | 5.00 | 4.63 | 4.83 | 4.93 |
| 7500 | 3.98 | 4.23 | 4.58 | 3.62 | 3.60 | 3.60 | 3.43 | 3.53 | 3.61 |
| 8000 | 4.88 | 5.41 | 5.86 | 2.75 | 2.61 | 2.54 | 2.51 | 2.51 | 2.63 |
| 9000 | 7.85 | 8.05 | 8.46 | 1.54 | 1.76 | 1.85 | 1.63 | 1.70 | 1.78 |

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