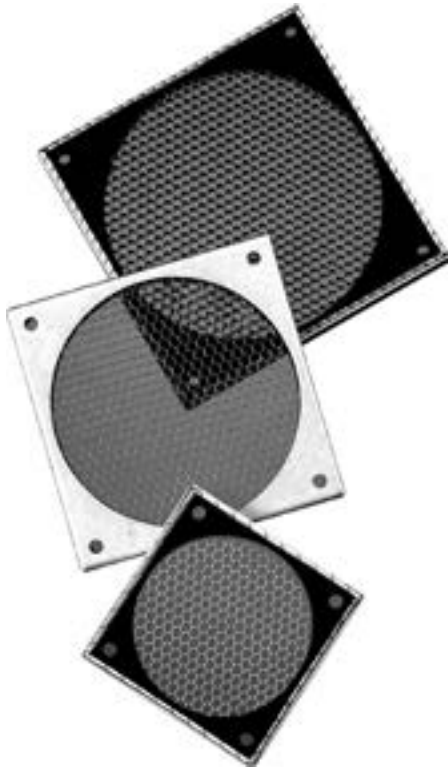


Shielded Honeycomb Fan Filters

Spira's Shielded Fan Filters provide a high and reliable level of shielding at very cost effective and competitive prices. They include the "Spira Advantage" as described on page 29, using our patented honeycomb blending process and patented spiral Flexi-Shield gasket to provide exceptional EMI shielding and EM bond.



| Fan Filter Part Number | Fan Size | A ±.030 | B ±.010 | C ±.015 | D ±.015 | F ±.020 | G* ±.020 |
|------------------------|----------|------------|------------|------------|------------|------------|-------------|
| HF-38mm-25 | 38mm | 1.631 | 1.181 | 1.36 | .150 | .319 | .345 |
| HF-38mm-50 | 38mm | 1.631 | 1.181 | 1.36 | .150 | .569 | .595 |
| HF-40mm-25 | 40mm | 1.71 | 1.260 | 1.38 | .150 | .319 | .345 |
| HF-40mm-50 | 40mm | 1.71 | 1.260 | 1.38 | .150 | .569 | .595 |
| HF-60mm-25 | 60mm | 2.50 | 1.970 | 2.17 | .170 | .319 | .345 |
| HF-60mm-50 | 60mm | 2.50 | 1.970 | 2.17 | .170 | .569 | .595 |
| HF-80mm-25 | 80mm | 3.34 | 2.810 | 3.01 | .170 | .319 | .345 |
| HF-80mm-50 | 80mm | 3.34 | 2.810 | 3.01 | .170 | .569 | .595 |
| HF-92mm-25 | 92mm | 3.78 | 3.250 | 3.45 | .170 | .319 | .345 |
| HF-92mm-50 | 92mm | 3.78 | 3.250 | 3.45 | .170 | .569 | .595 |
| HF-120mm-25 | 120mm | 4.82 | 4.125 | 4.50 | .170 | .319 | .345 |
| HF-120mm-50 | 120mm | 4.82 | 4.125 | 4.50 | .170 | .569 | .595 |

Custom sizes are available on request. Contact us for more information.
* Dimension G is for reference only

Filter Sizes

Fan Filters are compatible with 38, 40, 60, 80, 92 and 120mm fans or can be made in custom sizes on request.

Cell Size

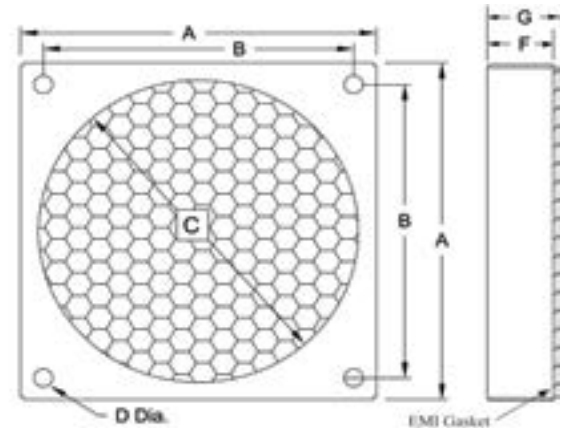
The filters use 1/8" cell by 1/4" or 1/2" thick aluminum honeycomb panels.

Frame

The frame is made from chem-film plated 6061-T4 aluminum.

Spiral Material

The filters include a Flexi-Shield tin/lead plated beryllium copper gasket in standard force. A RoHS compliant version is available on request. The die-cut is commercial grade neoprene sponge.



Salt-Fog Option

A salt-fog version is available on request which includes our Flexi-Shield edge tin/lead plated beryllium copper gasket. The honeycomb panel is tin plated and frame is chem-film plated (or tin plated on request). A RoHS compliant version is available on request.

Shielding Effectiveness

This graph illustrates that our Fan Filters with the "Spira Advantage" can provide up to 80dB of shielding at 1GHz!

