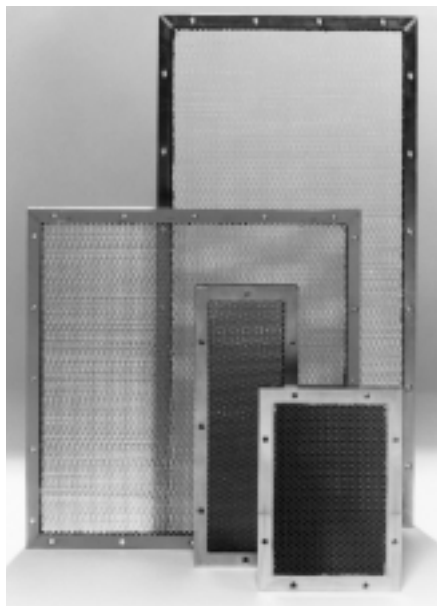


CHO-CELL™ Shielded Vent Panels



CHO-CELL Shielded Vents

CHO-CELL panels are Chomerics' very high performance shielded honeycomb air vents, especially designed for high frequency environments and to meet TEMPEST specifications. They provide greater than 90 dB attenuation between 200 MHz and 10 GHz. Shielding is typically 30 dB better than conventional panels, achieved by unique design features, which include a CHO-SEAL mounting gasket.

CHO-CELL vents are free of polarization effects, provide low air resistance, and are lightweight. They

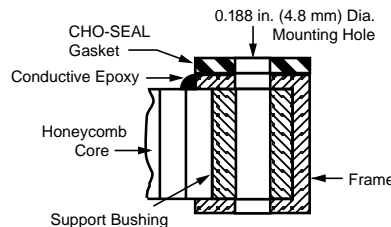
Table 1

SPECIFICATIONS	
Honeycomb	0.002 in. (0.051 mm) foil, 0.125 in. (3.2 mm) cells, 0.500 in. (12.7 mm) thick aluminum per MIL-C-7438; finish: electroless nickel per MIL-C-26074C, Class 1, Grade A, 0.0015 in. (0.04 mm) thick
Frame	Aluminum per QQ-A-200/8 alloy 6061-T4; finish: electroless nickel per MIL-C-26074C, Class 1, Grade A, 0.0015 in. (0.04 mm) thick
Mounting Gasket	CHO-SEAL 1215 silver-plated-copper filled silicone
Sizes	Per customer requirements, up to 24 x 24 in. (61 x 61 cm) max.
Mounting Holes	Thru holes, 0.188 in. (4.8 mm) dia. (for #8 screws) [2-3 in. (5.1-7.6 cm) spacing recommended]

are offered in custom configurations, with thru-hole mounting.

Ordering Procedure

CHO-CELL panels are made to customer size specifications up to 24 x 24 in. (61 x 61 cm). Part numbers will be supplied by Chomerics. Contact our Applications Engineering Department.



Cross Section of CHO-CELL Vent

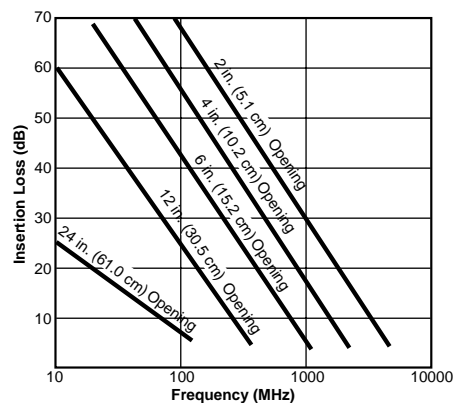


Figure 1 Insertion Loss Through Apertures
The above data illustrates insertion loss typically achieved through open apertures from 24 in. to 2 in. square (per MIL-STD-285).

See page 168 for shielding effectiveness information.

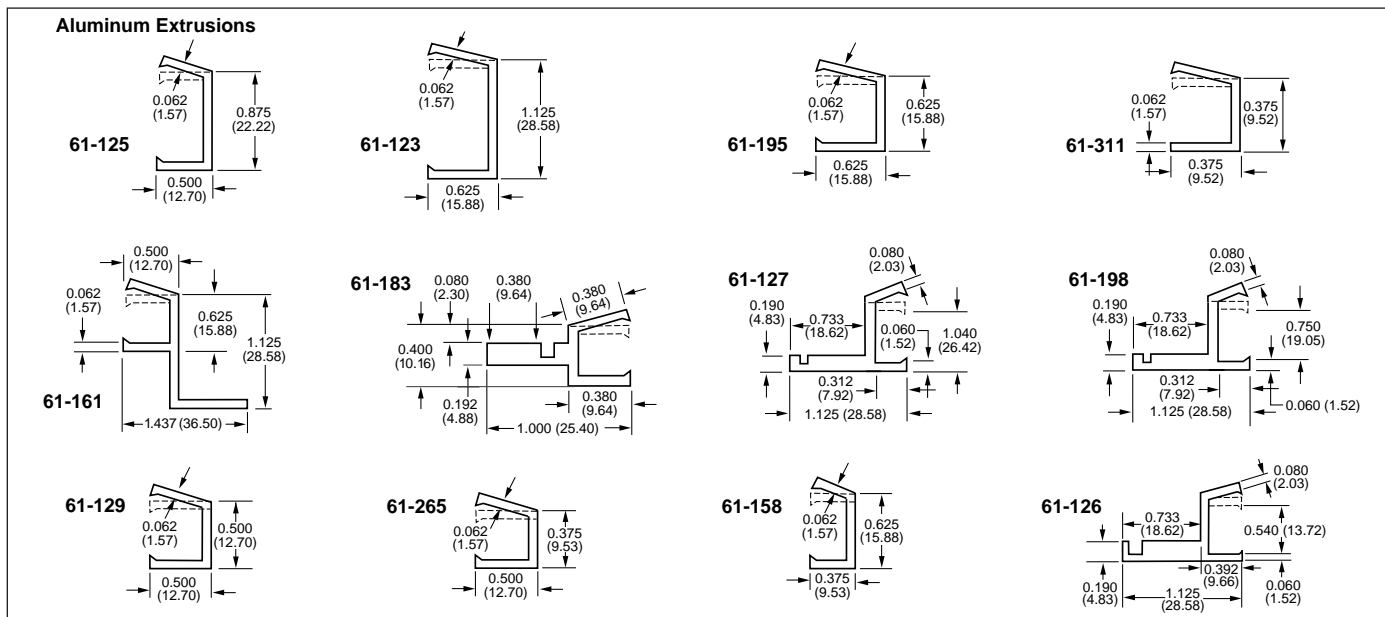


Figure 2 Alternate Extrusions for CHO-CELL Construction, in. (mm). Others available, please inquire. (mm dimensions in parentheses)