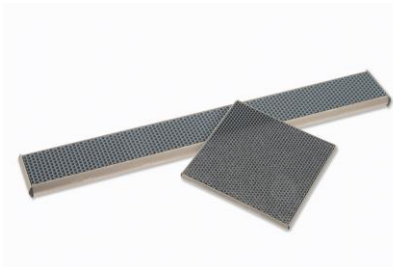# 5G MaxAir™ Vent Panel
# Combining EMI Innovation and Cost Efficiency

## LAIRD™ 5G MAXAIR™ VENT PANEL

The MaxAir**™** vent panel product line from Laird Performance Materials provides an innovative and cost-effective approach to providing increased airflow and EMI protection for equipment found in hyperscale data centers such as servers and fan assemblies.

This aluminum metallized polycarbonate honeycomb structure offers a rigid medium eliminating the need for costly frame designs. This frameless design allows greater airflow through the entire honeycomb surface and easier installation through its press-fit assembly. Laird™ MaxAir**™** vent panel provides greater durability and flexibility than traditional aluminum vent panels

## FEATURES AND BENEFITS

- Metallized polymeric honeycomb provides excellent product rigidity and dent resistance
- Eliminates frames, rivets and costly labor to install
- UL94 V0 rated coated versions available for flame resistance
- Increases useable air flow area compared to a framed all metallic vent panel
- Special features can be machined into honeycomb, such as recesses and rabbet cuts to customize the panel

- Half the weight of traditional all metallic vent panels
- Compressible conductive perimeter gasket provides extensive tolerance to accommodate variations in shelf widths or vent panel opening dimensions
- Can be manually inserted with slide-in motion or by compression fit utilizing compression stops and minimal hardware
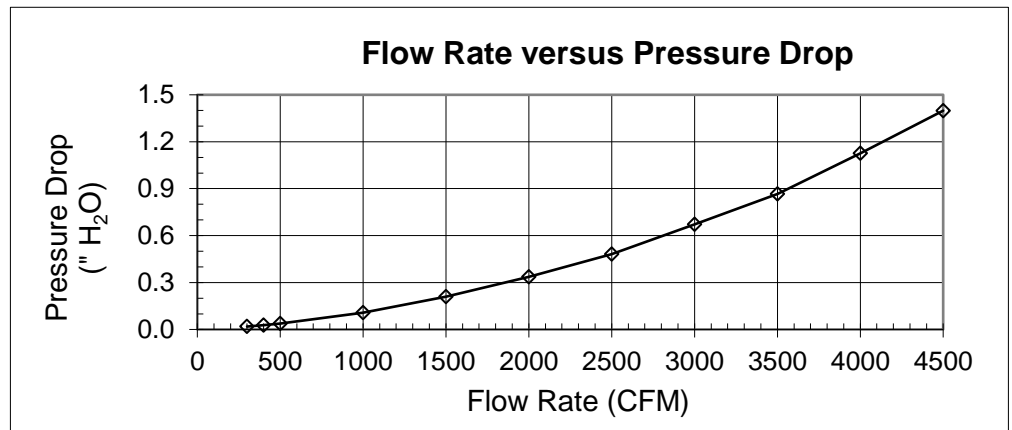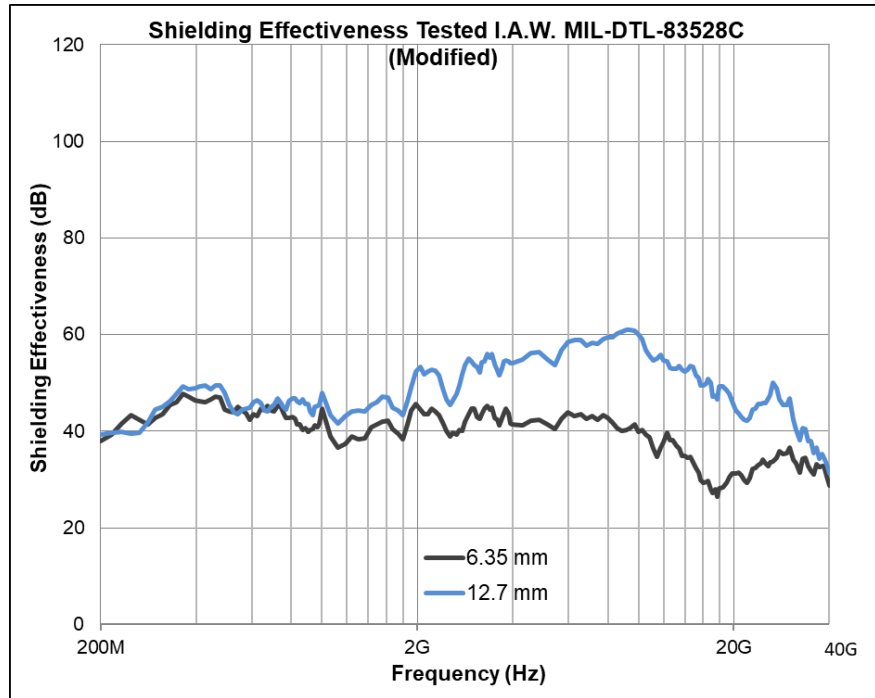
## APPLICATIONS

- Data Center Equipment (servers, routers, switches, storage)
- Card Cages
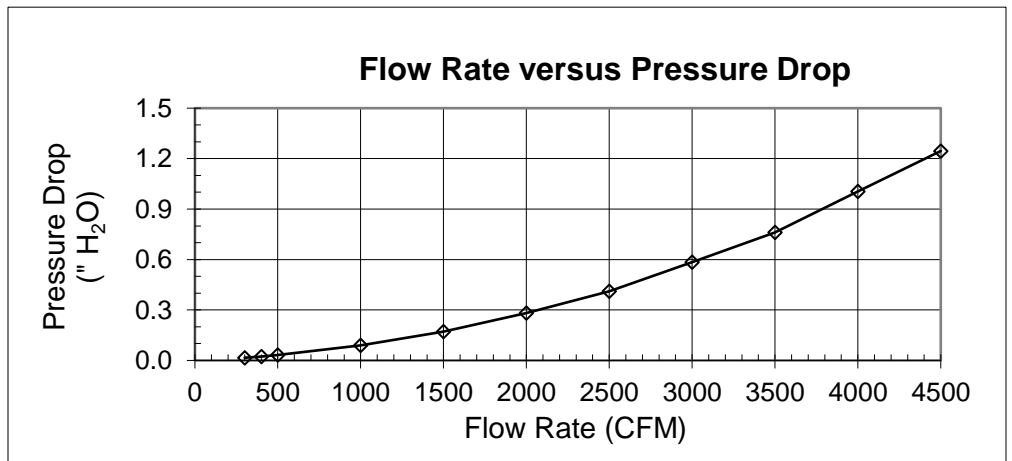- Fan Assemblies
- Military Applications
- Shielded Rooms

EMI-DS-5G MaxAir-081921

**Shielding Effectiveness Tested I.A.W. MIL-DTL-83528C (Modified)**



**Flow Rate versus Pressure Drop**



305 mm x 305 mm, 6.35 mm thickness

**Flow Rate versus Pressure Drop**



305 mm x 305 mm, 12.7 mm thickness

**Laird Performance Materials**

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