

## INTRODUCING

# EMI Shielding Honeycomb Ventilation Panels

- High shielding performance
- Lightweight design



TE Connectivity's aluminum honeycomb air ventilation panel range consists of an aluminum honeycomb foil held in a rigid extruded aluminum mounting frame. The foil, formed and laminated into a series of honeycomb cells glued and perforated or laser welded at the join, provides a conductive path at each join. Although the foil is conductive in all directions, to enhance electromagnetic interference (EMI) performance, two pieces of honeycomb polarized at 90° to each other are recommended.

#### **APPLICATIONS**

- Electronic Enclosures
- Air Conditioning Units
- Fan Housings
- EMC Racks
- Communication Shelters

#### **ELECTRICAL**

Provides EMI shielding over an aperture while still allowing good airflow

#### **MECHANICAL**

- Frame vents consist of a rigid aluminum frame that holds the honeycomb foil, an EMI gasket is attached to the frame
- Fan vents consist of an Acrylonitrile-butadiene-styrene (ABS)housing that holds 1 layer of honeycomb foil, the vent is provided with an EMI gasket attached directly to the honeycomb foil

#### MATERIALS

- Aluminum frame 6063-T6
- Fan vent housing ABS UL94-V0

### **KEY BENEFITS**

- Guide electromagnetic waves into or out of the enclosure
- High shielding performance
- Lightweight design
- Good airflow

#### **STANDARDS AND SPECIFICATIONS**

• Aluminum honeycomb foil 5052 grade, 3.2mm cell size

#### **LEARN MORE**

- Landing Page
- <u>Brochure</u>

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