

ALUMINIUM HONEYCOMB FAN SHIELD 9535

Honeycomb ventilation grids specifically designed for standard sized fans in e.g. computer cases



A range of low-cost EMC vents for use with standard fan size fans. The Honeycomb fan shield 9530 series are designed to provide EMI shielding and maximum airflow without degrading the fan output.

These vents provide a low-cost option to perforated metal when airflow rates are critical. A aluminium frame is fitted with one layer of 6.35 or 12.7 thick honeycomb material and an optional conductive foam gasket (5770-3-02-S) to connect the honeycomb to the metalwork.

When mounting the conductive foam gasket, the foam side must be against the honeycomb and the mesh against the metalwork side. Honeycomb Fan Shield in almost all sizes corresponding to industry-standard fans with standard 4-hole mounting.

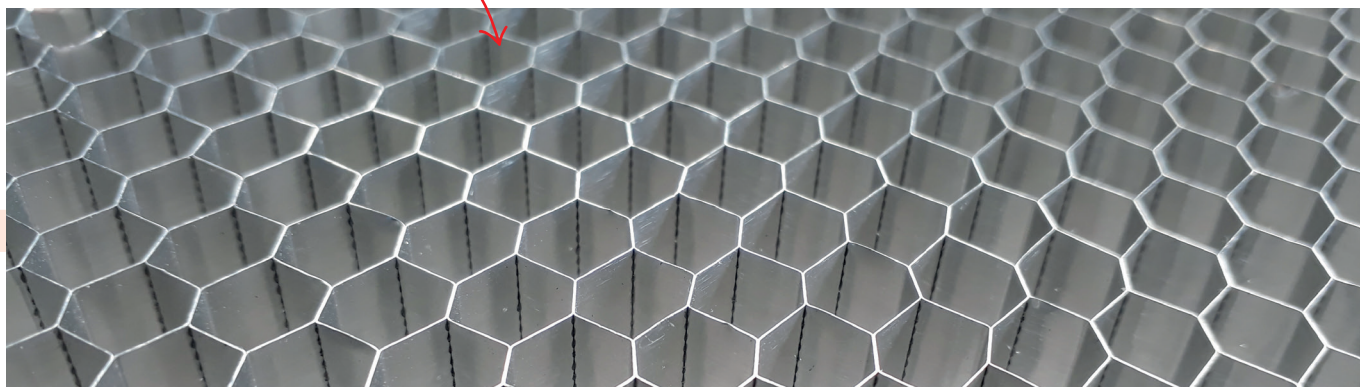
SHIELDING PERFORMANCE*

Shielding performance is achieved from 1/8 cell aluminum honeycomb panels with compressed mounted in a square shaped flat Mu-ferro plate with a circular cut-out on the inside. The contact with the housing is made with an amucor shielding gasket cut into the correct shape of the Honeycomb fan shield.

Performance below have been measured with honeycomb specifications 1/8 Cell size, 1/4 Thick.

Frequency	Field	Typical (db)
100 MHz	E	102
500 MHz	P	85
2 GHz	P	74
10 GHz	P	58

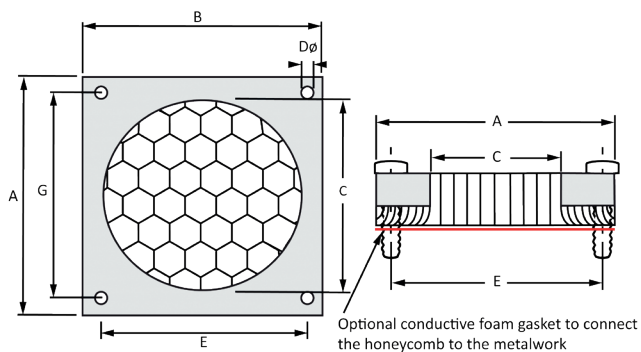
*any size, any shape
according to drawing*



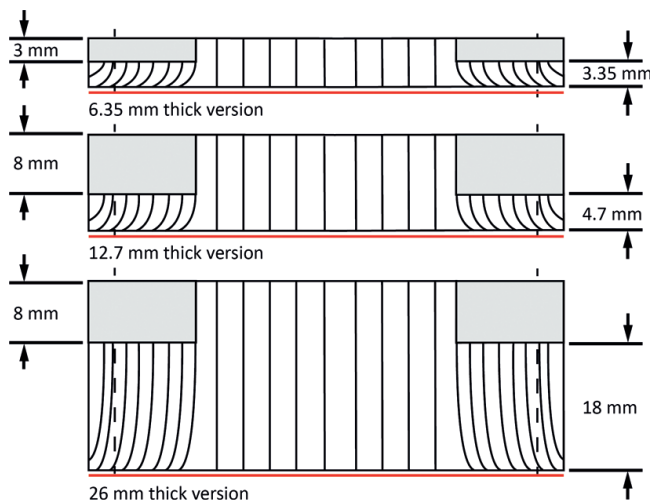
» ALUMINIUM HONEYCOMB FAN SHIELD 9535

STANDARD DIMENSIONS

In the table below some common types are specified to illustrate the required information. The hole diameter is standard 3.5mm but it can also be delivered in any other size.



HONEYCOMB FAN SHIELD AVAILABLE THICKNESSES



Part number	Outer dimension				Mounting holes horizontal		Mounting holes vertical	
	A	B	C	D	No	E	No	G
9535-40-40	40	40	31.5	M3	2	32	2	32
9535-50-40	50	50	41.2	M3	2	40	2	40
9535-60-60	60	60	53	M3	2	50	2	50
9535-70-70	70	70	60	M3	2	60	2	60
9535-80-80	80	80	70	M3	2	71.5	2	71.5
9535-90-90	90	90	80	M3	2	82.5	2	82.5
9535-120-120	120	120	105	M3	2	105	2	105
9535-140-140	140	140	125	M3	2	124.5	2	124.5
9535-200-200	200	200	185	M3	2	154	2	154
9535-220-220	220	220	205	M3	2	170	2	170
(Optional) other sizes on request								

ORDER EXAMPLE

Series	Width (mm)	Length (mm)	Thickness (mm)	EMC gasket
9535	Specify the outer dimension in mm	Specify the outer dimension in mm	6.35 : 6.35mm thick honeycomb material 12.7 : 12.7mm thick honeycomb material 26 : 26 mm thick honeycomb material	N : No gasket F : Conductive foam gasket