

Global EMI Shielding Technology Center
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www.LeaderTechInc.com



EMI/RFI Board, Enclosure, Cable Shielding & Thermal Solutions

LT Product Profile

00436



Tech Vent EMI/RFI Vent Panels

Leader Tech's low cost EMI vent panels are the perfect solution to shield openings for heating and ventilation against electromagnetic interference. The Tech Vent EMI vent panels are constructed with aluminum honeycomb to maximize shielding effectiveness as well as airflow performance. These panels are manufactured with a rigid aluminum frame and pre-drilled to meet your mounting specifications. They utilize EMI gasketing as well as weather sealing material for grounding to an enclosure and providing environmental protection. The panels can also be plated in a variety of finishes to improve shielding, corrosion resistance, and galvanic compatibility.

MATERIAL CODE	HONEYCOMB	FRAME	PLATING	EMI GASKET
-91	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	CHROMATE FINISH PER ASTM B449, CLASS 2	MONEL MESH PER QQ-N-281 BONDED TO NEOPRENE SPONGE PER ASTM D6576, TYPE II, GRADE A, MED
-92	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	MATTE TIN PER ASTM B545, CLASS B	TIN PLATED COPPER CLAD STEEL PER ASTM B520 BONDED TO NEOPRENE SPONGE PER ASTM D6576, TYPE II, GRADE A, MED
-92SN	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	BRIGHT TIN PER ASTM B545, CLASS B	TIN PLATED COPPER CLAD STEEL PER ASTM B520 BONDED TO NEOPRENE SPONGE PER ASTM D6576, TYPE II, GRADE A, MED
-93	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	NICKEL PER ASTM B689, CLASS 5	MONEL MESH PER QQ-N-281 BONDED TO NEOPRENE SPONGE PER ASTM D6576, TYPE II, GRADE A, MED
-94	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	CHROMATE FINISH PER ASTM B449, CLASS 2, RoHS	Cu/Ni RIPSTOP FABRIC OVER PU FOAM CORE
-95	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	MATTE TIN PER ASTM B545, CLASS B	Cu/Ni RIPSTOP FABRIC OVER PU FOAM CORE
-95SN	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	BRIGHT TIN PER ASTM B545, CLASS B	Cu/Ni RIPSTOP FABRIC OVER PU FOAM CORE
-96	ALUMINUM 5052, 1/8 CELL, 4.5 DENSITY (0.001 THICK) PER AMS-C-7438	0.062" ALUMINUM 6063 PER ASTM B221	NICKEL PER ASTM B689, CLASS 5	Cu/Ni RIPSTOP FABRIC OVER PU FOAM CORE



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Tech Vent EMI/RFI Vent Panels

9100-XXXX-XX					Honeycomb Area				Hole Spacing								No. of Fastening Holes	
Black = inches Blue = mm																		
Part Number	W		L		A		B		C		D		E		F		W Side	L Side
9100-0001-XX	3.00	76.20	3.00	76.20	2.00	50.80	2.00	50.80	1.25	31.75	1.25	31.75	-	-	-	-	1	1
9100-0002-XX	4.00	101.60	4.00	101.60	3.00	76.20	3.00	76.20	1.75	44.45	1.75	44.45	-	-	-	-	1	1
9100-0003-XX	4.00	101.60	12.00	304.80	3.00	76.20	11.00	279.40	1.75	44.45	1.25	31.75	-	-	3.00	76.20	1	4
9100-0004-XX	5.00	127.00	5.00	127.00	4.00	101.60	4.00	101.60	2.25	57.15	0.75	19.05	-	-	3.00	76.20	1	2
9100-0005-XX	5.00	127.00	7.00	177.80	4.00	101.60	6.00	152.40	2.25	57.15	1.50	38.10	-	-	3.50	88.90	1	2
9100-0006-XX	6.00	152.40	6.00	152.40	5.00	127.00	5.00	127.00	1.00	25.40	1.00	25.40	3.50	88.90	3.50	88.90	2	2
9100-0007-XX	6.00	152.40	18.00	457.20	5.00	127.00	17.00	431.80	1.00	25.40	1.25	31.75	3.50	88.90	3.75	95.25	2	5
9100-0008-XX	7.00	177.80	7.00	177.80	6.00	152.40	6.00	152.40	1.50	38.10	1.50	38.10	3.50	88.90	3.50	88.90	2	2
9100-0009-XX	7.00	177.80	14.00	355.60	6.00	152.40	13.00	330.20	1.50	38.10	1.50	38.10	3.50	88.90	3.50	88.90	2	4
9100-0010-XX	8.00	203.20	8.00	203.20	7.00	177.80	7.00	177.80	2.00	50.80	0.75	19.05	3.50	88.90	3.00	76.20	2	3
9100-0011-XX	8.00	203.20	16.00	406.40	7.00	177.80	15.00	381.00	0.75	19.05	1.25	31.75	3.00	76.20	3.25	82.55	3	5
9100-0012-XX	10.00	254.00	10.00	254.00	9.00	228.60	9.00	228.60	1.25	31.75	1.25	31.75	3.50	88.90	3.50	88.90	3	3
9100-0013-XX	10.00	254.00	18.00	457.20	9.00	228.60	17.00	431.80	1.25	31.75	1.25	31.75	3.50	88.90	3.75	95.25	3	5
9100-0014-XX	12.00	304.80	12.00	304.80	11.00	279.40	11.00	279.40	1.25	31.75	1.25	31.75	3.00	76.20	3.00	76.20	4	4
9100-0015-XX	12.00	304.80	24.00	609.60	11.00	279.40	23.00	584.20	1.25	31.75	1.25	31.75	3.00	76.20	3.50	88.90	4	7

Part Number Example
for part : 9100-0001-91

9100

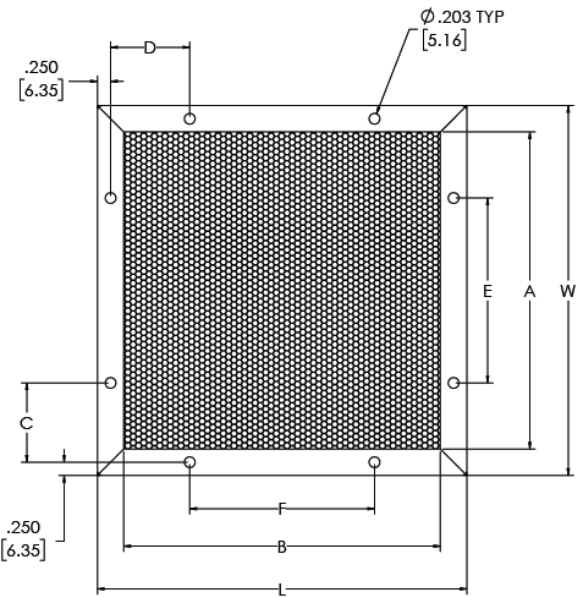
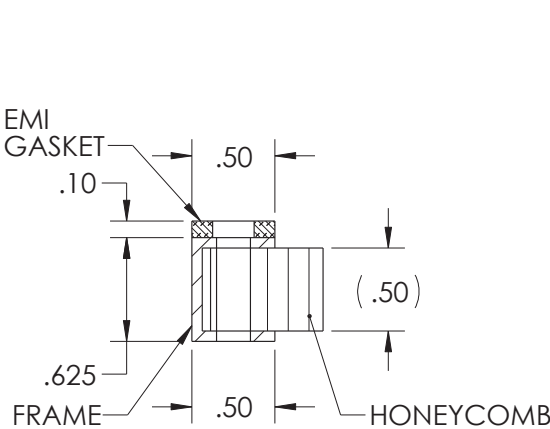
Series
(9100)

0001

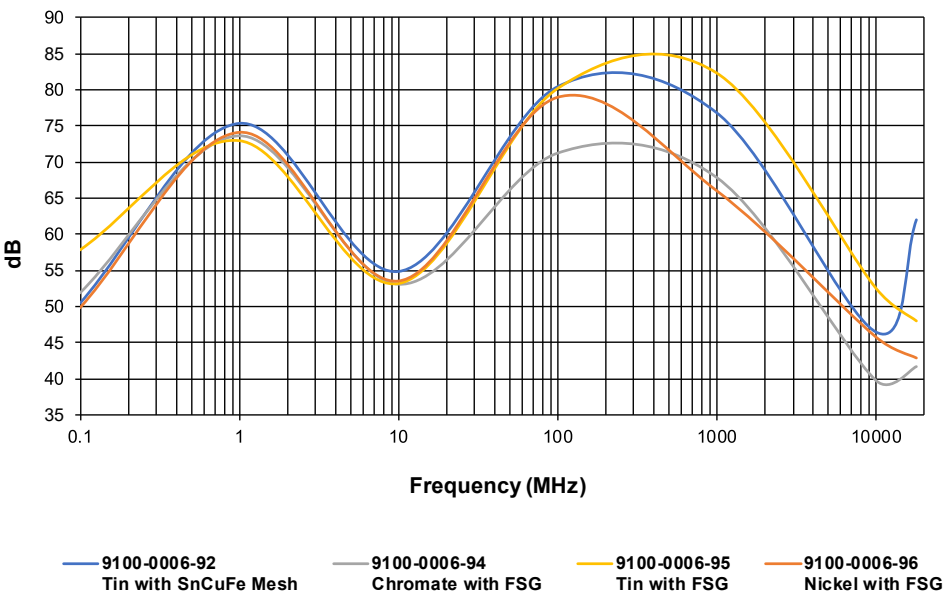
Length and Width
(3x3)

91

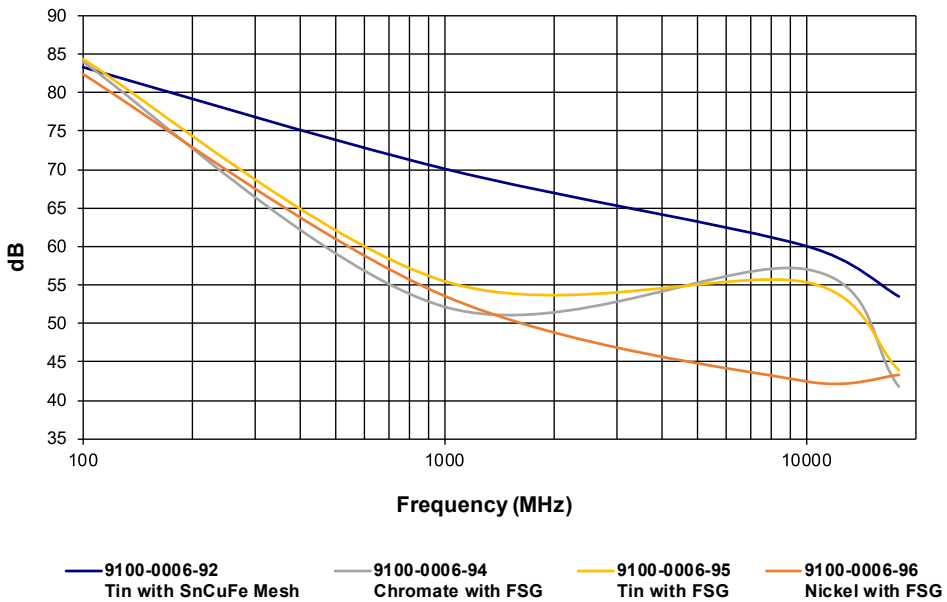
Material Code
(Chromate Finish)



Vertical Antenna Polarity



Horizontal Antenna Polarity



Applications

- Fans
- Server Racks
- Ventilation openings
- MRI Room Shielding
- Military applications
- Telecommunications Hardware equipment

Material Characteristics

- Frames are made from aluminum extrusion
- Honeycomb is made from aluminum
- Low cost EMI Gaskets made with Fabric Shielding Gasket
- Environmental gaskets made from Neoprene sponge

Performance

- See attached test data

Availability

Custom sizes are available. Contact Leader Tech Engineering to discuss custom sizes. Visit our website to view our distribution partners.



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