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## UL V0 RATED ECOFOAM<sup>™</sup> GREY CONDUCTIVE FOAM

Laird's CF700 Grey offers an innovative approach to traditional shielding and grounding by providing X, Y, and Z-axis conductivity, enhancing the shielding effectiveness required to meet the increasing microprocessor speeds of today's computer, telecommunications, and other electronic equipment. Ecofoam<sup>™</sup> can be customized to your application by die-cutting, hole-punching, notching, and so on and is especially useful for odd-shaped applications which are difficult to shield with typical profile gaskets. Ecofoam<sup>™</sup> is designed for low-cycling applications such as input/output (I/O) shielding and other non-shear standard connectors.

### FEATURES



- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Excellent z-axis conductivity to provide effective EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- Available with or without conductive PSA
- UL94 V0 Flammability Rating

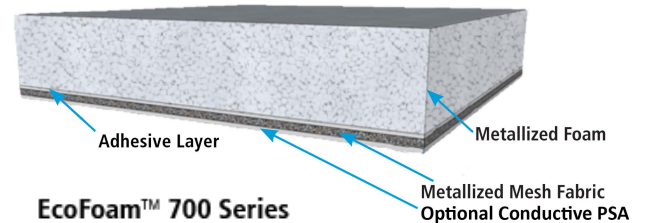
### MARKETS



- Servers
- Cabinet Application
- Network and Telecommunication Equipment
- LCD and Plasma TV
- Medical Equipment
- Desktop Computers
- Printers
- Laptop Computers
- Tablets and Smartphones

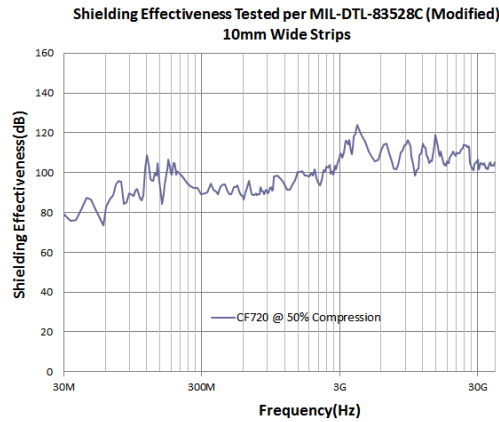
### ECOFOAM<sup>™</sup> 700-SERIES

THICKNESS	DESIGNATION
0.5 mm	CF705
1.0 mm	CF710
1.5 mm	CF715
2.0 mm	CF720



# CF-700 Series EcoFoam™ UL V0 Rated Grey Conductive Foam

## SHIELDING EFFECTIVENESS



## PHYSICAL PROPERTIES

ITEM	UNIT	VALUE	TEST METHOD
Thickness (Foam w/o CPSA)	mm (±0.2 mm) mm (±0.5 mm)	0.5 1.0, 1.5, 2.0	-
Z-Axis Resistance*	Ω	<0.2	Laird Internal
Shielding Effectiveness (CF720)			MIL-DTL-83528C (modified)
	300 MHz	dB	89
	3 GHz	dB	109
	30 GHz	dB	106
Operation Temperature	°C	-40 to 70	-
Hazardous Substance		Compliant with RoHS (Directive 2002/95/EC) Halogen-free per IEC-61249-2-21 Standard	
Shelf Life		12 months at 23°C/ 60% R.H.	

\*1.0 in<sup>2</sup> sample size, 1000gf loading

Values presented have been determined by standard test methods and are typical values not to be used for specification purposes.

## ORDERING INFORMATION

### PART NUMBER EXAMPLE

Digits:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	C	F	7	2	0	A	A	0	1	0	5	0	2	0	0
	PRODUCT NAME (CF500/ CF600/CF700/CF800 series) EX: CF720					SITE ENG CODE: this is defined by site eng team (refer to "SITE ENG CODE" sheet) AA, AB, AC...A9 etc		PRODUCT WIDTH (WIDEST) EX: 0105=10.5mm			PRODUCT LENGTH (LONGEST) EX: 0200=20.0mm EX: 020M=2.0m (if the part length is over 999.9mm, please define digit #15 as m[meter])				

### EMI-DS-FOF-ECOFOAM-700-Grey 112415

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