

## EcoFoam™ UL V0 Rated Grey Conductive Foam

### UL V0 Rated ECOFOAM™ Grey Conductive Foam



Laird's CF100 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™ 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™ 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
- UL94V0 Flammability Rating

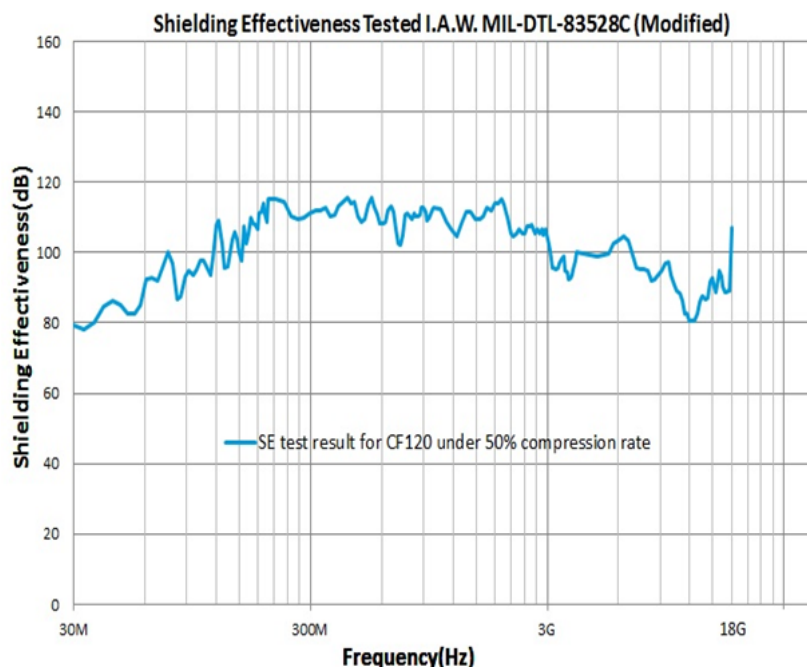
#### APPLICATIONS

- Servers
- Cabinet Application
- Telecommunication Equipment
- Televisions / Displays
- Medical Equipment
- Desktop / Laptop Computers
- Printers
- Tablets and Smartphones

#### CF100 SERIES

THICKNESS	DESIGNATION
1.0mm	CF110
1.5mm	CF115
2.0mm	CF120
3.0mm	CF130
4.0mm	CF140

#### SHIELDING EFFECTIVENESS



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### PHYSICAL PROPERTIES SPECIFICATIONS

ITEM	UNIT	VALUE	TEST METHOD
Thickness (Foam w/o CPSA)	mm (±0.5 mm)	1.0, 1.5, 2.0	
Z-Axis Resistance*	Ω	<0.2	Laird Internal
<b>Shielding Effectiveness (CF120)</b>			I.A.W. MIL-DTL-83528C (Modified)
3 GHz	dB	105	
18 GHz	dB	93	
Operation Temperature	°C	-40 to 70	
Hazardous Substance	Compliant with RoHS (Directive 2011/65/EU) Halogen-free per IEC-61249-2-21 Standard		
Flame Retardant	UL 94V0 (UL file No.E170327)		
Shelf Life	12 months at 23°C/ 60% R.H		

Remark: \*50% compression

### ORDERING INFORMATION

#### PART NUMBER EXAMPLE

Digits:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	F	1	2	0	A	A	0	1	0	5	0	2	0	0
PRODUCT NAME EX: CF120					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 <b>digit #15</b> as m[meter])				