



UL V0 RATED ECOFOAM[™] BLACK CONDUCTIVE FOAM

Laird's CF800 Black 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[™] Black 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

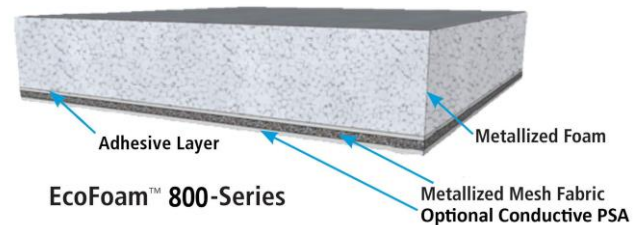
MARKETS



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

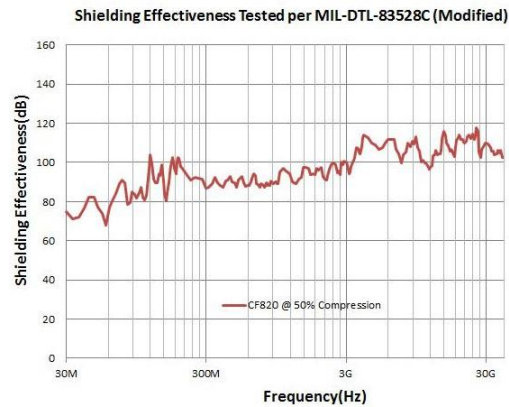
ECOFOAM[™] 800-SERIES

THICKNESS	DESIGNATION
0.5 mm	CF805
1.0 mm	CF810
2.0 mm	CF820



CF-800 Series EcoFoam™ UL V0 Rated Black 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, 2.0	-
Z-Axis Resistance*	Ω	<0.5	Laird Internal
Shielding Effectiveness (CF820 Black)			MIL-DTL-83528C (modified)
	300 MHz	dB	87
	3 GHz	dB	100
	30 GHz	dB	110
Operation Temperature	°C	-40 to 70	-
Hazardous Substance		Compliant with RoHS (Directive 2011/65/EU) Halogen-free per IEC-61249-2-21 Standard	
Shelf Life		12 months at 23°C/ 60% R.H.	

*1.0 in² 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	8	2	0	A	A	0	1	0	5	0	2	0	0
	PRODUCT NAME (CF500/CF600/CF700/CF800/CF900 series) EX: CF820					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-800-BLACK 061917

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