Laird
Smart Technology. Delivered.

CF500 Series

EcoFoam™ Conductive Foam

ECOFOAM™ CONDUCTIVE FOAM

Laird's Ecofoam™ CF500 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. The product is offered with a conductive PSA tape on one side. 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

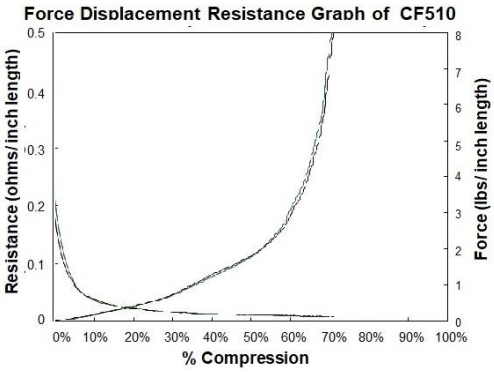
RoHS

- Widely thicknesses available from 0.5mm to 12mm.
- Excellent z-axis conductivity to provide good EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- RoHS compliant and halogen free per IEC-61249-2-21 standard
- Typically recommend to compress 25% to 40% of the original height.

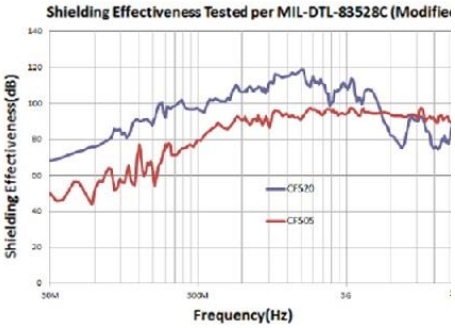
APPLICATIONS

- Servers and Cabinets Application
- Telecommunication Equipment
- Television/Displays
- Desktop / Laptop Computers
- Tablets/ Smartphones
- Medical Equipment
- Automotive Application

FORCE DISPLACEMENT RESISTANCE



SHIELDING EFFECTIVENESS



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CHARACTERISTIC

ITEM	UNIT	TYPICAL VALUE	TEST METHOD
Thickness Tolerance	mm	±0.2mm (≦2.0mm) ±10% (>2.0mm)	-
Shielding Effectiveness			MIL-DTL-83528C (modified)
@300MHz	dB	98 average	(Result of CF520)
@3GHz	dB	108 average	
Z-axis Resistance	Ω	<0.2	Laird internal method ; 25mm x 25mm sample @ 50% compression ratio
Operation Temperature	℃	-40 to 85	
Hazardous Substance	Compliant with RoHS(Directive 2011/65/EU)		
	Compliant with SONY ss-00259		
	Halogen-free (based on IEC-61249-2-21)		
	Antimony-free		
Shelf Life	12 months at 23℃/60% R.H.		

Note 1: Color among different thicknesses will be varied.
Note 2: Compress the product to the bottom (or high compression ratio) during processing or application may increase the z-axis resistance.

RDERING INFORMATION

PART NUMBER EXAMPLE

Digits:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	C	F	5	2	0	A	A	0	1	0	5	0	2	0	0

1st to 5th :
PRODUCT NAME
EX: CF520
4th to 5th :
THICKNESS CODE
EX: 10=1.0mm
(if the thickness is less than 10mm)
EX: A0=10mm
EX: A2=12mm
(if the thickness is 10mm or above)

6th to 7th :
ENG CODE:
this is defined by Laird Eng Team
EX: A-Z, 0-9

8th to 11th:
PRODUCT WIDTH
EX: 0105=10.5mm

12th to 15th :
PRODUCT LENGTH
EX: 0200=20.0mm

USA: +1.800.843.4556
Europe: +49.8031.24600
Asia: +86.755.2714.1166

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