



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





**ECOFOAM™ CONDUCTIVE FOAM**

Laird's Ecofoam™ 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**

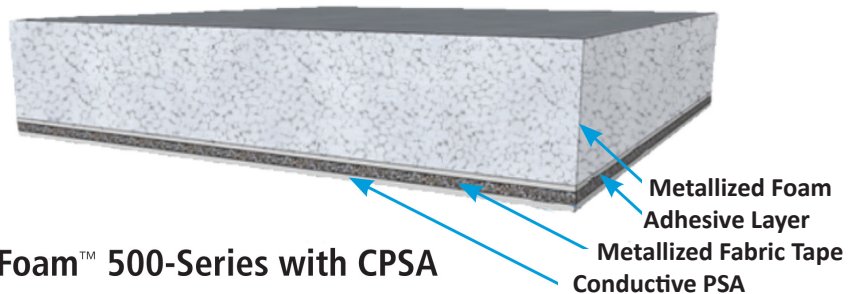


- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Excellent z-axis conductivity to provide effective EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- Conductive PSA on one side

**MARKETS**

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

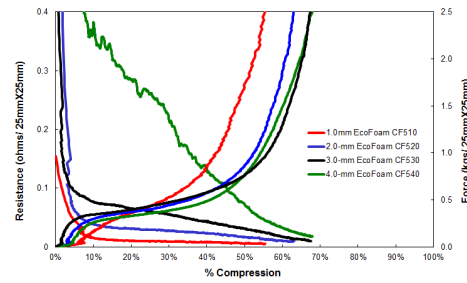
ECOFOAM™ 500-SERIES (WITH CPSA TAPE)	
Thickness	Designation
0.3 mm	CF503
0.5 mm	CF505
0.7 mm	CF507
1.0 mm	CF510
1.5 mm	CF515
2.0 mm	CF520
2.5 mm	CF525
3.0 mm	CF530
3.5 mm	CF535
4.0 mm	CF540



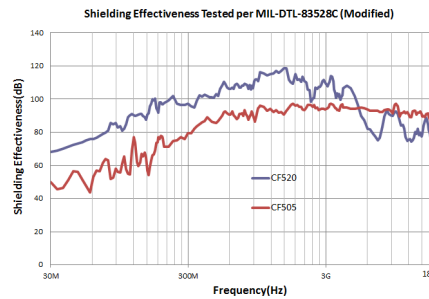
**EcoFoam™ 500-Series with CPSA**

USA: +1.866.928.8181  
Europe: +49.0.8031.2460.0  
Asia: +86.755.2714.1166

**FORCE/DISPLACEMENT/RESISTANCE (FDR)**



**SHIELDING EFFECTIVENESS**



ITEM	UNIT	VALUE	TEST METHOD
Thickness	mm (±0.2 mm) mm (±0.5 mm)	0.3, 0.5, 0.7 1.0, 1.5, 2.0, 2.5, 3.0, 4.0	-
Z-Axis Resistance*	Ω	<0.2	Laird Internal
Shielding Effectiveness			MIL-DTL-83528C (modified)
300 MHz	dB	87 average	
3 GHz	dB	108 average	
18 GHz	dB	78 average	
Compression Set	%	< 30	ASTM D3574
Foam Density	kg/m <sup>3</sup>	30 ±5	-
Operation Temperature	°C	-40 to 85	
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.	

\*25mm x 25mm Test Sample, 1000 gf 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	5	2	0	A	A	0	1	0	5	0	2	0	0
	PRODUCT NAME (CF500/CF600/CF700 series) EX: CF520					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-500\_060215

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