

ECOFOAM™ CONDUCTIVE FOAM

Laird's EcoFoam™ CF100 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, telecommunication 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.

CF100B is equivalent to CF100 with one-side black color.

FEATURES

- Available in thicknesses from 1.0 to 3.0 mm (+0.2/-0 mm)
- Excellent z-axis conductivity to provide good EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- UL 94V0 flammability rating
- RoHS compliant and halogen free per IEC-61249-2-21 standard
- Available with or without PSA
- The recommended operating compression for EcoFoam EMI gaskets will vary depending on the size of the gasket. Typically recommend to compress 25% to 50% of the original height

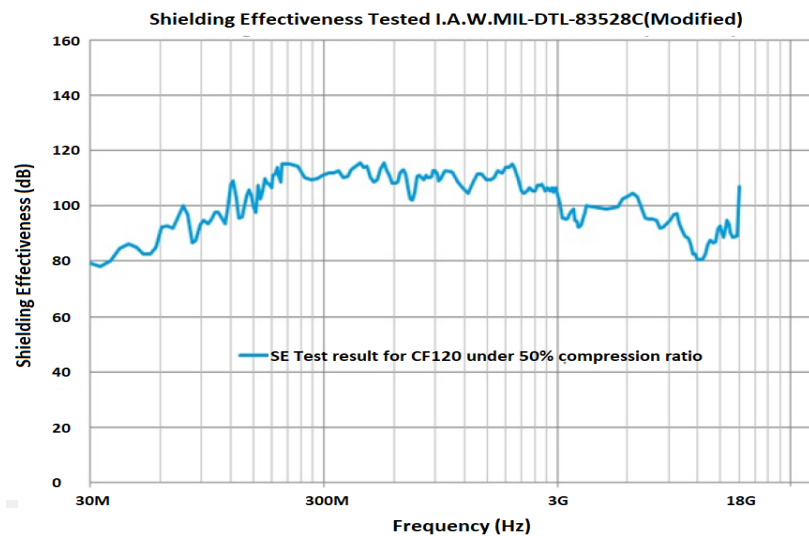
APPLICATIONS

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

DESIGNATION of CF100 SERIES

THICKNESS	DESIGNATION
1.0mm	CF110/CF110B
1.5mm	CF115/CF115B
2.0mm	CF120/CF120B
2.5mm	CF125/CF125B
3.0mm	CF130/CF130B

SHIELDING EFFECTIVENESS



CHARACTERISTIC

ITEM	UNIT	VALUE	TEST METHOD
Thickness (foam w/o PSA)	mm	1.0, 1.5, 2.0, 2.5, 3.0	
Shielding Effectiveness			MIL-DTL-83528C (modified)
@3GHz	dB	80 average	
@18GHz	dB	70 average	
Z-axis Resistance*	Ω	<0.2	Laird Internal
Operation Temperature	°C	-40 to 70	
Flame Retardant		UL 94V0 (UL file No. E170327)	
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°C/60% R.H.	

*Under 50% compression

ORDERING INFORMATION

PART NUMBER EXAMPLE

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

1st to 5th:
PRODUCT NAME AND DETAILS
3rd : Product series
4th to 5th : thickness code
e.g. 15=1.5mm (if the thickness <10mm)

6th to 7th :
DETAILS CODE
Assigned by Laird Eng. Team
6th: Reserve B, F, G, H, J, K, L
for customized part

8th to 11th digits:
PRODUCT WIDTH
e.g. 0105-10.5mm

12th to 15th digits:
PRODUCT LENGTH
e.g. 0200=20.0mm
e.g. 020M=2.0meter (if the part length is over 999.9mm)

Laird Performance Materials
DuPont Electronics & Industrial
Americas: +1 866 928-8181
Europe: +49 8031 2460 0
China: +86 7552 7141166
www.laird.com



EMI-ENSL-DS-CF100(B) 0122

Any information furnished by Laird Technologies, Inc., and/or its affiliate companies (collectively, "Laird") and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user. Laird and its agents make no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird's Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2017 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights. Version A01