

EMI Noise Suppression Absorber



LAIRD™ ECCOSORB™ RF-LB

Eccosorb™ RF-LB is a silicone based elastomeric absorber with an improved low frequency filler system. The proprietary filler system provides higher permeability than standard Eccosorb™ magnetic sheet materials, with a higher temperature limit than standard near field noise suppression absorber products. Eccosorb™ RF-LB is used to suppress unwanted energy coupling and resonant or surface currents that cause EMI issues.

FEATURES AND BENEFITS

- High Permeability
- Excellent EMI suppression for lower frequency applications
- High Temp near field noise suppression suitable for automotive applications
- Suitable for suppression of cavity resonances and surface currents
- Flexible
- Dust free
- UL94 H-B
- REACH and ROHS compliant

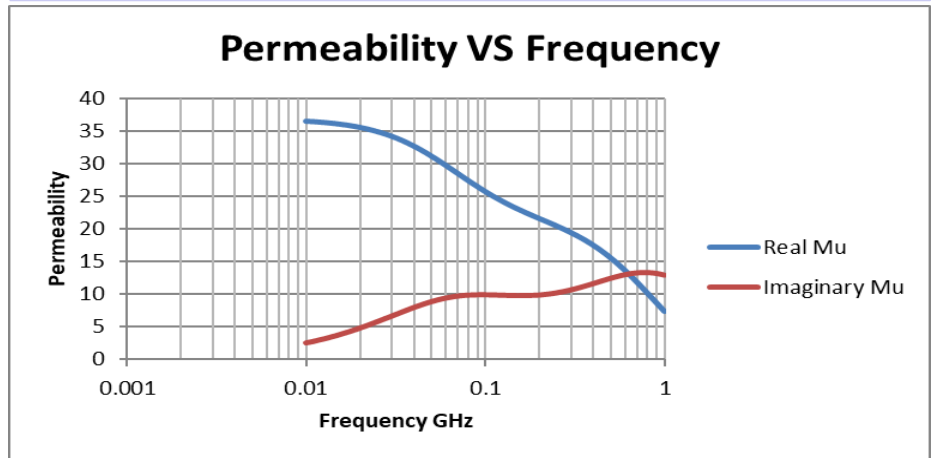
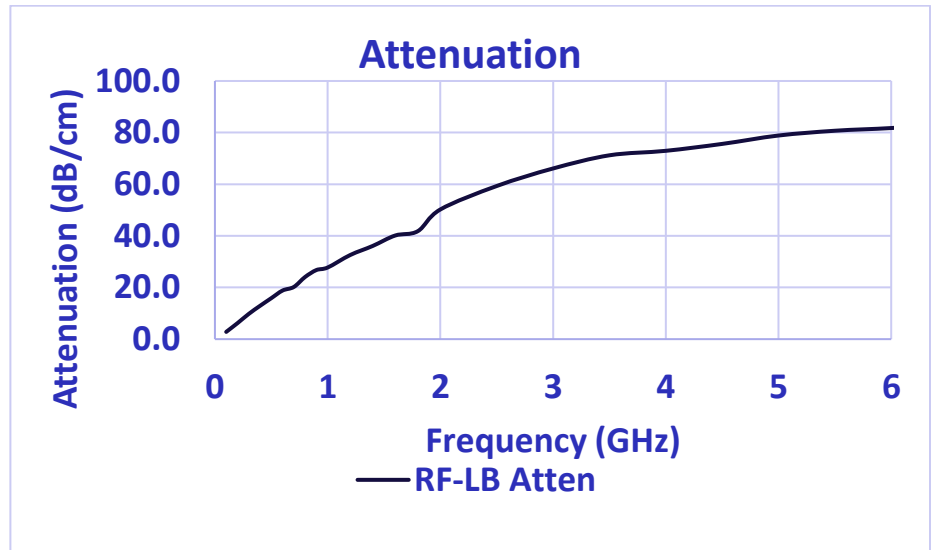
MARKETS

- Telecom/Datacom
- Automotive
- Medical Equipment
- Networking Equipment
- Military Applications
- Industrial

PRODUCT PROPERTIES	TYPICAL VALUES	TEST METHOD
Color	Grey	Visual
Electrical Properties	Permeability > 30 @ 10 MHz	
Frequency Range	10 MHz to 4 GHz	
Density	2.2 gr/cc	
Service Temperature	-70 to 177°C	
Volume Resistivity	7.45x10 ¹¹ ΩC	
Available Thickness Range in (mm)	.02 (.5) - .12 (3)	
Thickness Tolerance	+/- 10%	
Hardness	70 Shore A (+/- 10)	
UL Flammability	UL94 H-B	UL pending

EM-ABS-DS-10132022

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Laird Performance Materials

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www.laird.com



AVAILABILITY

- Standard sheet size is 305 mm x 305 mm (12" X 12")
- Thickness availability range is 0.5 mm – 3.18 mm (0.020" – 0.125"); PSA not included in thickness
- Available with and without Pressure Sensitive Adhesive, PSA (LairdTM SS6M; 0.0045" thick)
- Common standards for thickness are: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0 mm
- No charge samples are available in 101.6 mm x 101.6 mm (4" X 4") size

APPLICATIONS

- EccosorbTM RF-LB series absorber can be placed over CPUs, main chip sets and other memory, and power IC devices to suppress radiated noise causing interference with RF functions, crosstalk or SAR emissions.
- It can be used to suppress noise currents from circuit trace lines and flat cables that act like radiating antennas causing EMI problems and crosstalk issues.
- It can also be applied to high-speed transmission lines, LCD displays and circuit board elements that are radiating energy and causing EMI issues.
- When placed within a cavity that is operating in the lower microwave frequencies, EccosorbTM RF-LB series has proven to be effective in damping resonances and reducing surface currents.

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