

## 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

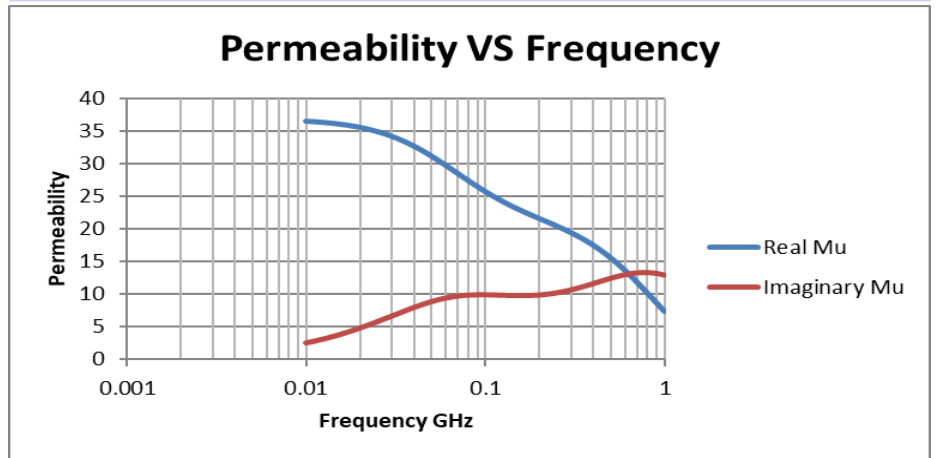
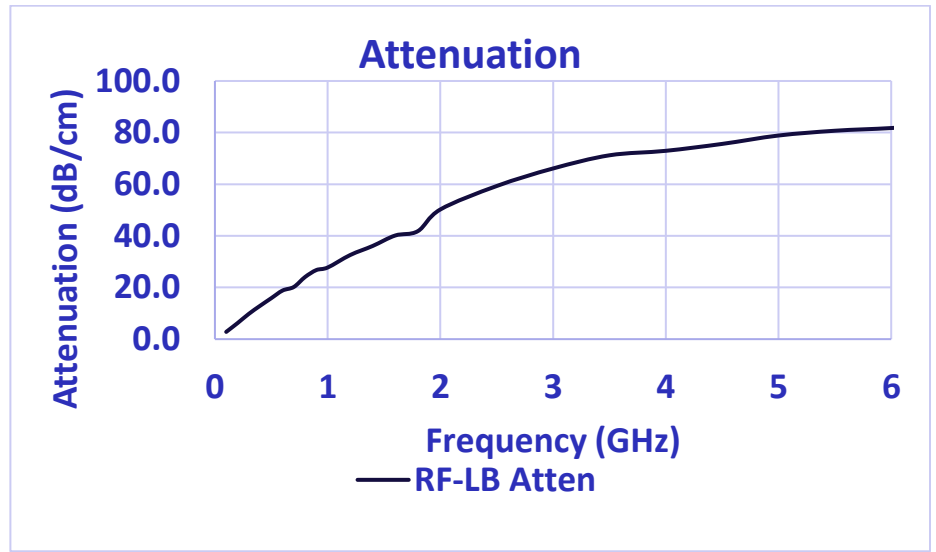
### MARKETS

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

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

EM-ABS-DS-10132022

## EMI Noise Suppression Absorber



### Laird Performance Materials

### DuPont Electronics & Industrial

Americas: +1 866 928-8181

Europe: +49 8031 2460 0

China: +86 7552 7141166

[www.laird.com](http://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 (Laird<sup>TM</sup> 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

- Eccosorb<sup>TM</sup> 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, Eccosorb<sup>TM</sup> RF-LB series has proven to be effective in damping resonances and reducing surface currents.

EM-ABS-DS-10132022