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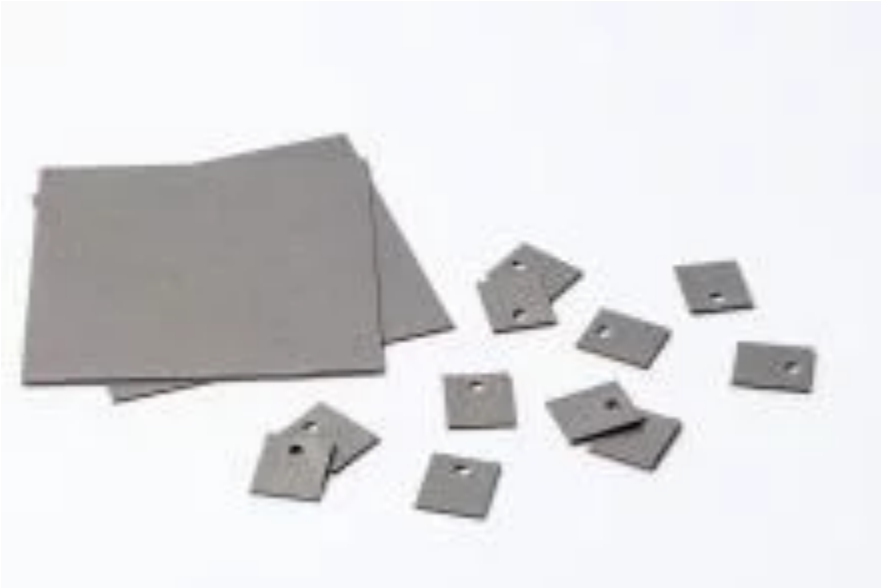
Eccosorb™ RF-LW
Light Weight EMI Noise Suppression Absorber

Product Description

Lair Laird has developed a new family of absorbers which can offer game-changing performance at lower frequencies. This group of elastomeric materials utilizes a proprietary filler system that produces an absorber with higher permeability and permittivity over standard magnetic fillers. The filler system is inherently corrosion resistant and can pass the ASTM B117 salt fog requirements. This family of absorbers provides the highest level of attenuation available for cavity resonance problems and surface current attenuation, while offering significant weight and thickness savings over traditional magnetic fillers below 6 GHz.



Capabilities

Automated Pad Placement Automated Packaging Custom Automation

Custom Product Development Modeling Prototyping Service Testing

Features and Benefits

- Industry best sub 6 GHz attenuation
- Corrosion Resistant
- Low outgassing properties
- Weight and thickness reduction in application

Technical Specification

Typical Properties

Color	Grey
Density (g/cc)	3.50
Function	Cavity resonance
Operating Temperature Max (Celsius)	177
Operating Temperature Min (Celsius)	-70
Outgassing CVCM (%)	0.050
Outgassing TML (%)	0.300
Resin	Silicone
Shelf Life	Minimum 365 Days from Date of Shipment
Type	Cavity resonance elastomer

Electromagnetic Properties

Attenuation	>85 dB/cm @ 6GHz
Insertion loss	depends on thickness and frequency
Permeability at 1 Mhz	8
Product Frequency Range	.8 GHz - 6 GHz
Reflectivity	varies with thickness and

		frequency
Electrical Properties	**Volume Resistivity**	2x10^8 ohm-cm
Mechanical Properties	**Hardness**	>70 (Shore A)
Dimensions	**Thickness Max (mm)**	3.05
	Thickness Min (mm)	0.25
Compliance	**Lead Free**	Yes
	REACH	Yes
	ROHS Compliant	Yes
	UL Flammability Rating	UL94 H-B
Options	**Option Availability - Fabric wrapping**	No
	Option Availability - Machining	No
	Option Availability - PSA	Yes
	Option Availability - PU coating	No
	Option Availability - on drawing	Yes