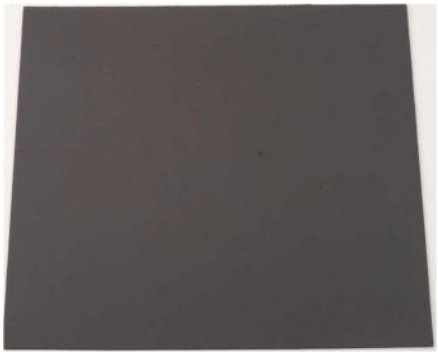
Eccosorb® MCS

High-Loss, Thin, Elastomeric Microwave Absorber



HIGH-LOSS ELASTOMERIC ABSORBER

Eccosorb MCS is a thin, flexible, high-loss, magnetically loaded, electrically non-conductive silicone rubber sheet. It is designed for the frequency range from 800 MHz to 6 GHz. The material is impervious to moisture and can be subjected to high altitudes with no adverse effects. Being a silicone based absorber, it has low out-gassing properties for space applications.

FEATURES AND BENEFITS

- High power performance
- Low outgassing properties
- High magnetic loss
- UL94 V0

MARKETS

- Commercial Telecom
- Security and Defense
- Automotive and Industrial Electronics

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB MCS
Frequency Range (GHz)	0.8 to 6
Max Service Temperature °C (°F)	170 (338)
Fire Retardancy	UL94 V-0
Hardness (Shore A)	>80
Volume Resistivity (ohm-cm)	2x 10^8
Weight kg/m² (lbs/ft²)	4.4 (0.9)
Relative Impedance	0.66 – 0.23
Tensile Strength (MPa)	>3.5
Elongation (%)	>20
Dielectric Strength (volts/mil)	>20
Outgassing (%TML) (%CVCM)*	0.3/0.05

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

* Outgassing data per ASTM E595-07; criteria for acceptability is 1.00% TML and 0.10% CVCM.

APPLICATIONS

- When placed within a cavity, Eccosorb MCS has proven to be very effective at dampening resonances due to the absorbers high permittivity and permeability as well as high loss values, which in turn reduces the overall VSWR.
- It is designed for the suppression of surface currents over a wide range of frequencies.
- It can be used for the suppression of creeping waves and reduction of cavity resonances in microwave modules.
- It is also useful in reducing RF coupling of antennas and microwave components.

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Europe: +49.8031.24600

Asia: +86.755.2714.1166

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Eccosorb® MCS

High-Loss, Thin, Elastomeric Microwave Absorber

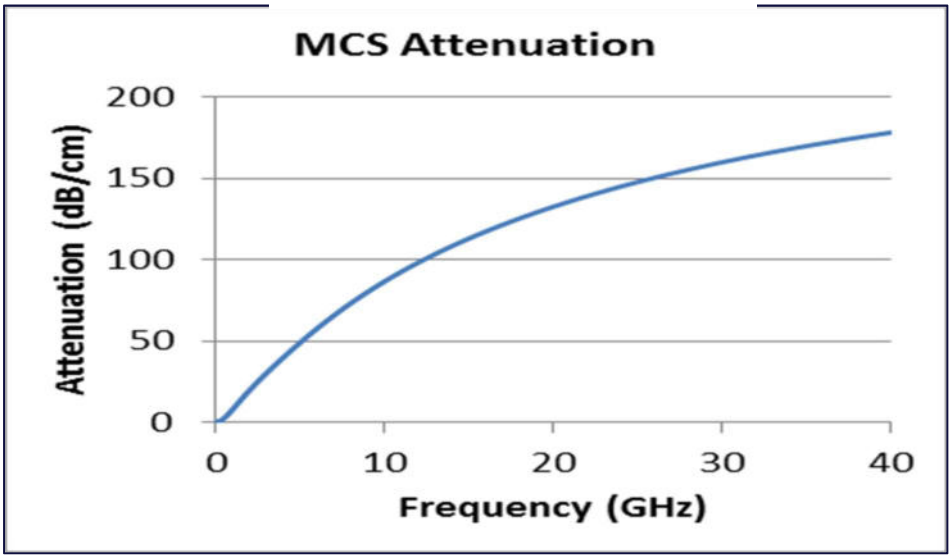
AVAILABILITY

- Standard sheets are 305 x 305mm (12”x12”), standard thickness is 1 mm (.040”)
- It can be supplied with a Pressure Sensitive Adhesive (PSA)
- Eccosorb MCS is available in other sizes, thicknesses and customer specified configurations upon request.

INSTRUCTIONS FOR USE

- Eccosorb MCS is designed to function directly in front of a metallic surface.
- The material can be bonded by use of an RTV silicone based adhesive in conjunction with a suitable primer.
- To obtain a strong bond of the absorber to the object, the metallic surface should first be thoroughly cleaned with a degreasing solvent.
- Eccosorb MCS can be readily cut with a sharp knife and template.
  It is a very flexible material and conforms to contoured surfaces.

Typical Attenuation Eccosorb MCS



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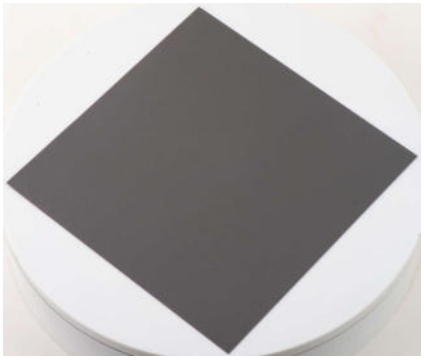
RFP-DS-MCS 093015

Eccosorb® BSR / MFS

High Loss, Magnetically Loaded, Elastomeric Microwave Absorber



HIGH-LOSS ELASTOMERIC ABSORBER

Eccosorb BSR / MFS is a thin, flexible, high-loss, electrically non-conductive silicone absorber. It is designed for the frequency range from 6 GHz to 18 Ghz and above . It has low outgassing properties and high temperature resistance. BSR / MFS is flexible and can be fitted to compound curves. BSR and MFS refer to the same product where BSR-1 is MFS-124 and BSR-2 is MFS-117.

FEATURES AND BENEFITS

- Flexible structure for improved fit
- High thermal stability
- Electrically non-conductive
- High magnetic loss
- Low outgassing
- Good adhesion to metals

MARKETS

- Mobile / Data Infrastructure
- Security and Defense
- Automotive Electronics
- Industrial Electronics
- Space

VALUE

- Simplified design due to mechanical and electrical properties
- Environmentally friendly solution meeting regulatory requirements of RoHS and REACH
- Improved reliability performance of electronics
    - Better signal integrity due to high reduction of EMI
    - Consistent electronics performance due to low outgassing properties
    - Reliable mechanical attachment

TYPICAL PROPERTIES	TYPICAL DATA
Frequency Range (GHz)	6 – 35
Service Temperature °C	170
Flame Rating	UL 94 V-0
Hardness (Shore A)	> 70
Density	4.2
Elongation (%)	50
Tensile Strength (MPa)	5.0
Volume Resistivity (ohm-cm)	2×10^{9}
Thermal Expansion (per °C)	63×10^{-6}
Thermal Conductivity (W/mK)	0.865
Water Absorption (% 24 hours)	< 0.1
Dielectric Strength (v/mil)	> 10
Outgassing (%TML) (%CVCM)*	0.47 / 0.28

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

*** Outgassing data per ASTM E595-07; criteria for acceptability is 1.00% TML and 0.10% CVCM.**

APPLICATIONS

- Eccosorb BSR/MFS is engineered to reduce or eliminate surface currents, cavity resonance, coupling, and generally dampen reflections. It will significantly improve the operation of microwave devices by lowering the Q of cavities.

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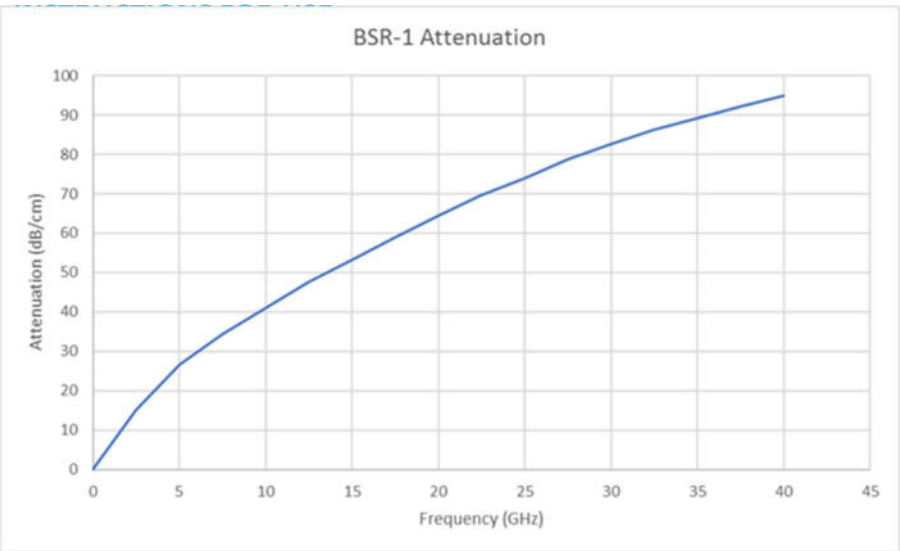
Hybrid Thermal/EMI Absorber

It can also be used terminations, loads, attenuators in microwave circuits, and in waveguides and transmission systems.

- Eccosorb BSR/MFS is recommended for use in high reliability aerospace, military, and space applications, exhibiting excellent thermal cycling, shock and vibration absorption characteristics.
- Some other applications include power amplifiers, oscillators and down/up converters.

AVAILABILITY

- Standard sheets are 305 x 305mm (12”x12”).
- Standard thicknesses are 0.25mm (0.010”),0.32mm (1/8”),0.50mm (0.020”), 0.64mm(1/4”),1.0mm (0.040”), 1.27 mm (1/2”),1.5mm (0.060”) and 2.54mm (0.100”)
- It can be supplied with or without pressure sensitive adhesive (PSA).
- Available in other thicknesses, sizes, and customer specified shapes upon request.



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RFP-DS-BSR MFS 012618

Eccosorb® GDS

High-Loss, Thin, Elastomeric Microwave Absorber

HIGH-LOSS ELASTOMERIC ABSORBER

Eccosorb GDS is a thin, UL rated ,flexible, high-loss, magnetically loaded, electrically non-conductive silicone rubber sheet. It is designed for the frequency range from 18 GHz and above. The material is impervious to moisture and can be subjected to high altitudes, with no adverse effects. Being a silicone based absorber, it has low outgassing properties for space applications.

FEATURES AND BENEFITS

- High power performance
- Low outgassing properties
- UL 94 V0

MARKETS

- Commercial Telecom
- Security and Defense
- Automotive and Industrial Electronics

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB GDS
Frequency Range (GHz)	≥ 18 GHz
Max Service Temperature °C (°F)	170 (338)
Hardness (Shore A)	>70
Volume Resistivity (ohm-cm)	> 10^{11}
Weight kg/m² (lbs/ft²)	2.9 (0.6)
Outgassing (%TML) (%CVCM)*	0.2/0.08

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

* Outgassing data per ASTM E595-07; criteria for acceptability is 1.00% TML and 0.10% CVCM.

APPLICATIONS

- When placed within a cavity Eccosorb GDS has proven to be very effective at dampening resonances due to the absorbers high permittivity and permeability.
- When bonded to a metal surface Eccosorb GDS will significantly reduce the reflectivity of metal objects or structures due to the flow of microwave currents on that surface.
- It can be applied to antenna elements, microwave dishes, the inner or outer surfaces of waveguides for isolation, attenuation or modification of radiating patterns.
- When applied to side or even rear surfaces of certain objects Eccosorb GDS will cause a significant reduction in “head on” reflectivity or backscattering.
- Although not intended as a specular absorber, it will reduce metal plate reflectivity by a few dB.

AVAILABILITY

- Standard sheets are 305 x 305x0.76mm (12”x12”x0.030”)
- Eccosorb GDS can be supplied with a Pressure Sensitive Adhesive.
- On special order, other sizes, thicknesses and customer specified configurations can be supplied.

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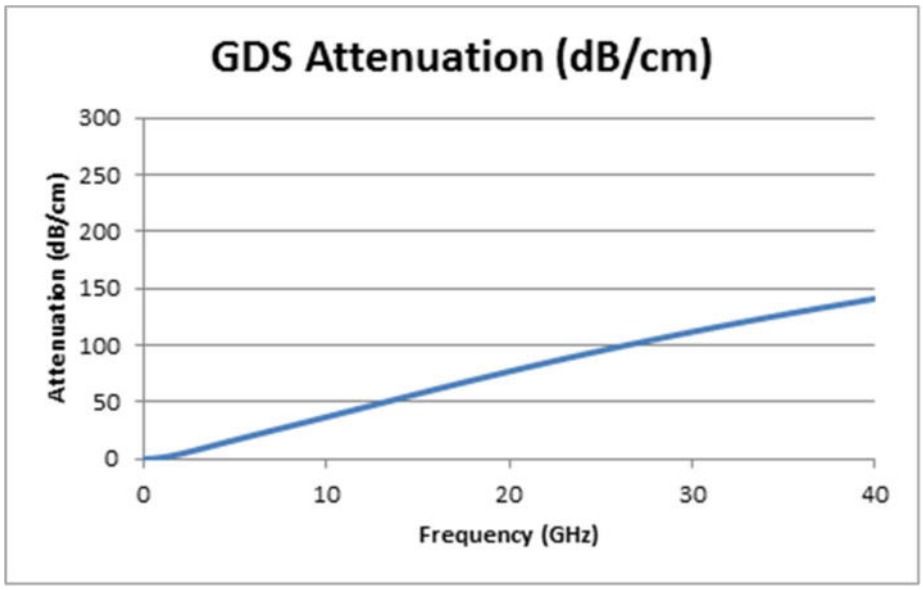
Eccosorb® GDS

High-Loss, Thin, Elastomeric Microwave Absorber

INSTRUCTIONS FOR USE

- Eccosorb GDS is designed to function directly in front of a metallic surface.
- The material can be bonded by use of an RTV silicone based adhesive in conjunction with a suitable primer.
- To obtain a strong bond, the metallic surface should first be thoroughly cleaned with a degreasing solvent, apply a thin coat of primer to the dried surface and apply a RTV silicone adhesive.
- Eccosorb GDS can be readily cut with a sharp knife and template.
  It is a very flexible material and conforms to contoured surfaces.

Typical Attenuation Eccosorb GDS



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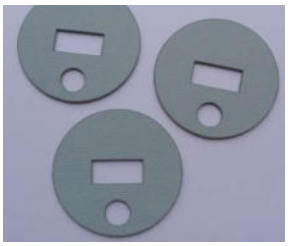
RFP-DS-GDS 112315

Eccosorb® MMI

Thin Broadband Millimeter Wave Absorber



THIN BROADBAND MILLIMETER WAVE ABSORBER

Eccosorb MMI is a flexible absorber based on dielectric loss fillers. It gives excellent performance between 35 – 100 GHz. Due to the chemical nature of the dielectric pigmentation system, no oxidation is possible. As such, the product resists outdoor conditions very well.

FEATURES AND BENEFITS

- Millimeter wave
- Flexible
- Thin
- High frequency applications
- Excellent outdoor exposure

MARKETS

- Automotive
- Commercial Telecom
- Medical
- Industrial

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB MMI
Weight (1mm thickness)	2.2 kg/m²
Water absorption	Impervious to water
Service Temperature°C(°F)	-55 to 165 (-67 to 329)
Frequency Range	≥ 35 GHz
Fire Retardancy	UL94 V-1

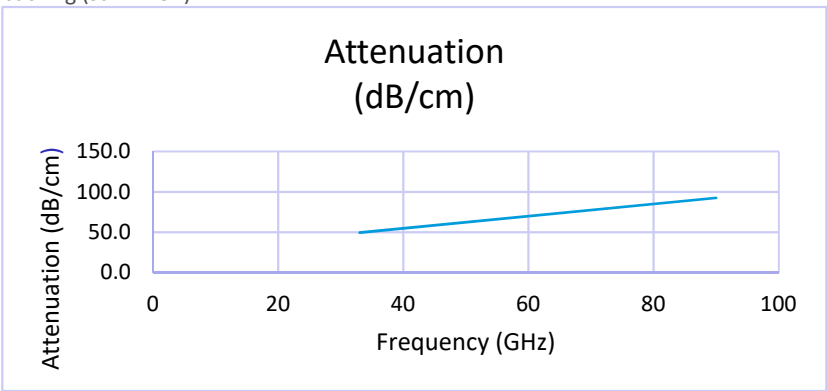
Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

APPLICATIONS

- Eccosorb MMI has been applied successfully in automotive applications for collision avoidance and blind spot detection.
- 4G and 5G macro and microcell networks including backhaul and P2P
- Imaging/probing equipment that uses electromagnetic energy

AVAILABILITY

- Standard sheet size is 30 cm x 30 cm, thickness 0.5 or 1 mm.
  Customized shapes and thicknesses can be supplied, as well as sheets with self-adhesive backing (suffix –SA).



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RFP-DS-MMI 081815

Eccosorb® JCS

High Loss, Low Density, Flexible Silicone Rubber Sheet

FLEXIBLE ABSORBER SILICONE RUBBER SHEET

Eccosorb JCS is a silicone rubber sheet. It exhibits microwave properties and is electrically conductive. Eccosorb JCS is waterproof and has excellent thermal characteristics, tolerating high and low temperatures. Material does not flake or shed. Complex shapes are best cut with a water jet system.

It can be both used as cavity resonance and free space application at high frequencies

FEATURES AND BENEFITS

- High loss
- Low density
- Very flexible
- Dust free
- High frequency applications

MARKETS

- Automotive
- Telecom
- Industrial

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB JCS
Frequency range	35 – 100 GHz
Service Temperature °C (°F)	-70 to 177 (-94 to 350)
Thickness	0.50 mm - 3.18mm (0.020”-0.125’’)
Color	Black

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

ELECTRICAL PROPERTIES

Eccosorb JCS is a pure dielectric absorber with no magnetic properties (permeability = 1). The complex permittivity varies with frequency, see graphs below. Attenuation is a figure of merit for the lossiness of absorbent material and should not be used to directly estimate insertion loss.

Insertion loss is defined as the reduction in energy between point A and point B caused by the insertion of a material. In general, insertion loss is a function of the material electromagnetic parameters and the thickness. JCS can be custom tailored to many different insertion loss values.

	Attenuation (dB/cm)	
	3 GHz	**10 GHz**
JCS-3	2	3.5
JCS-5	4.5	9
JCS-7	8	16
JCS-9	10	20

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Eccosorb® JCS

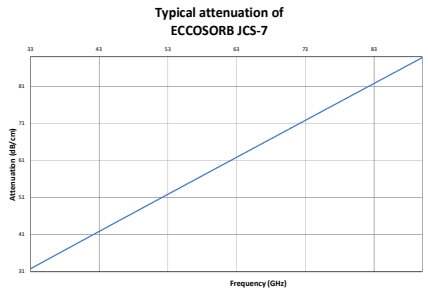
High Loss, Low Density, Flexible Silicone Rubber Sheet

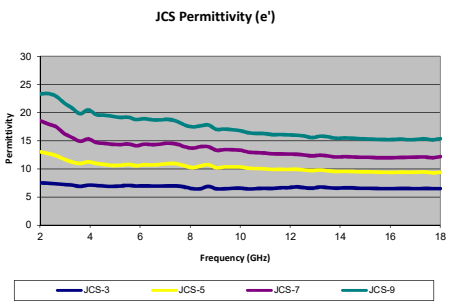
APPLICATIONS

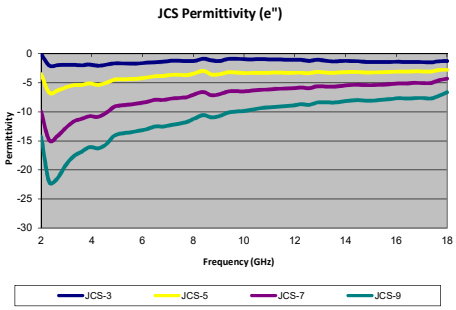
- Eccosorb JCS is used to lower cavity Q's in RF amplifiers, oscillators, cabinets containing microwave devices, computer housings, LNB's, and isolation of antennas by insertion loss.
- Eccosorb JCS is also used to reduce surface currents on radiating elements and outer ground-plane type surfaces.

AVAILABILITY

- Standard sheets are 30.5 cm x 30.5 cm (12''x12'')
- Standard thicknesses are 0.50 mm – 3.18 mm (0.20"-0.125") with the exception of JCS-9 which has a maximum thickness of 2.03 mm (0.08")
- Eccosorb JCS can also be supplied with a Pressure Sensitive Adhesive(PSA) Product designation 'ECCOSORB® JCS-X/SS6M'.
- Eccosorb JCS is available in other sizes and customer specified configurations upon request.







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Eccosorb 5G MeF 1

5G Medium Frequency absorber

5G High Frequency Absorber

5G MeF1 is a magnetically loaded silicone elastomer. It is very flexible and has a high service temperature (165°C). It is recommended for all mmWave applications in the 18-40 GHz.
It has a UL94 V-0 rating.

FEATURES

- 5G Frequencies tune
- Low outgassing
- High magnetic loss
- RoHS/Reach compliant

BENEFITS

- High performance at frequencies 18-40Ghz
- Conformable

PRODUCT INFORMATION

- Standard sheet size is 305mm x 305mm (12”x12”)
- Available in several thicknesses on demand
- Pressure Sensitive Adhesive option available

MARKETS

- Telecom Infrastructure
- Mobile Telecom
- Handset/Consumer
- IoT

AVAILABILITY

- Available from June 2018
- Standard sheet size is 305 mm x 305 mm (12”x12”)
- Standard thickness are 0.25mm (0.010”), 0.50mm (0.020”), 1.0mm (0.040”), 1.5mm (0.060”) and 2.54mm (0.100”)
- Customized shapes and thicknesses can be supplied, as well as sheets with self-adhesive backing (suffix –SA).

Eccosorb 5G MeF 1

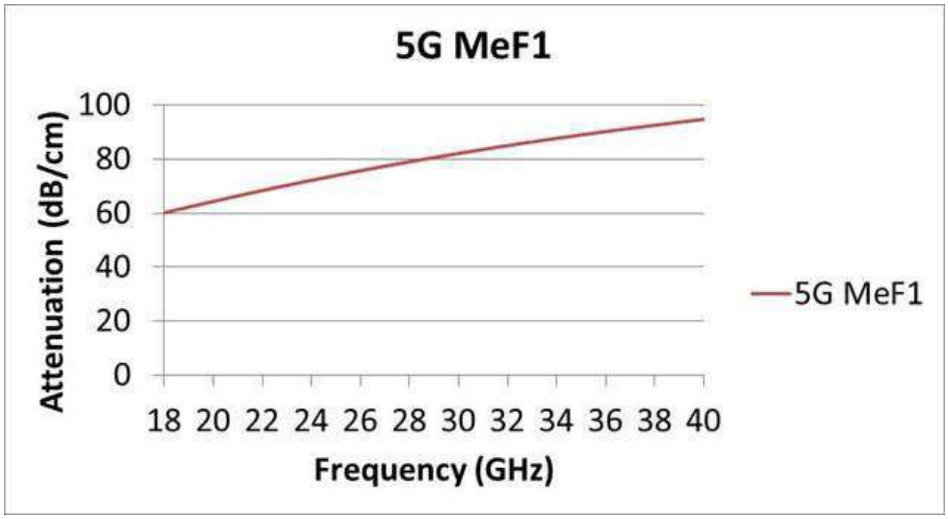
5G Medium Frequency absorber

SPECIFICATIONS

TYPICAL PROPERTIES	FEATURES	
Color	Dark grey	
Density	4.4	
Service temperature	-55 + 165°c	
Frequency Range	18-40Ghz	
Attenuation		
18 Ghz	60 dB/cm	
32 Ghz	82 dB/cm	
40 Ghz	97 dB/cm	
Tensile Strenght	>4.5 Mpa	
Hardness	65 shores A	
Outgassing	TML 0.48%/0.29CVCM%	ASTM E595-07
Flammability rating	UL 94 V0	

Data for design engineer guidance only. Observed performance varies in application.

Engineers are reminded to test the material in application.



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Eccosorb 5G HiF 1

5G High Frequency absorber

5G High Frequency Absorber

ECCOSORB 5G HiF 1 is a dielectrically loaded elastomer with excellent absorption properties in the high frequencies of the mmWave range. It is flexible with a high service temperature (165C). It has a UL94 fire retardancy rating (pending).

Based on silicone resin along with oxidation resistant filler ,It performs well even in harsh environement.

The material is effective in reducing specular reflections as well as suppressing cavity resonances especially above 40 ghz and surface currents

FEATURES

- 5G Frequencies tune
- Silicone Based
- RoHS/Reach compliant

BENEFITS

- High performance at high frequencies >40Ghz
- Outdoor

PRODUCT INFORMATION

- Standard sheet size is 305mm x 305mm (12”x12”)
- Available in several thicknesses on demand
- Pressure Sensitive Adhesive option available

MARKETS

- Telecom Infrastructure
- Mobile Telecom
- Handset/Consumer
- IoT

AVAILABILITY

- Available from June 2018
- Standard sheet size is 305 mm x 305 mm (12”x12”)
- Standard thickness are 0.5mm (0.020”) and 1mm (0.040”)
- Customized shapes and thicknesses can be supplied, as well as sheets with self-adhesive backing (suffix –SA).

Eccosorb 5G HiF 1

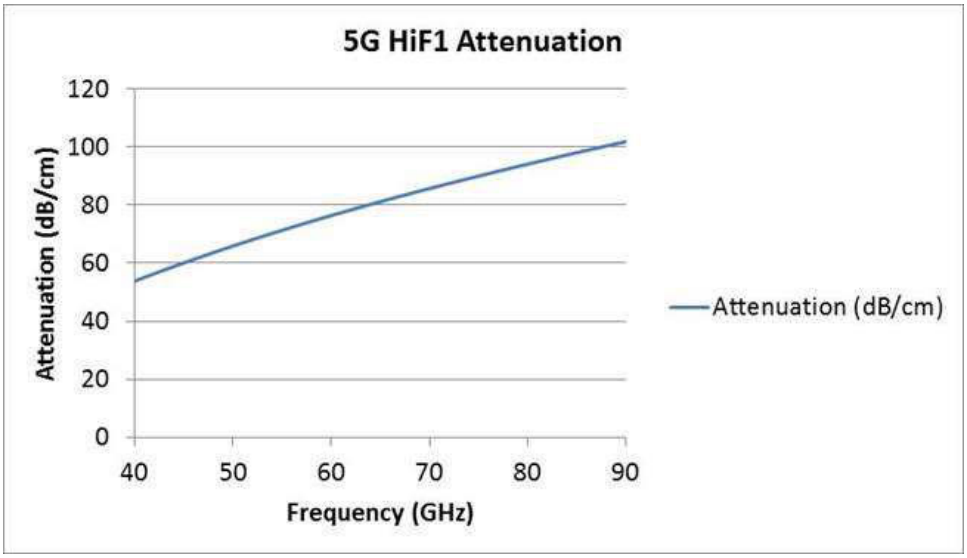
5G High Frequency absorber

SPECIFICATIONS

TYPICAL PROPERTIES	FEATURES	
Color	Light grey	
Density	1 Kg/m2	0.5 mm
Service temperature	-55 + 165°c	
Frequency Range	>40Ghz	
Attenuation		
40 Ghz	55 dB/cm	
60 Ghz	75 dB/cm	
80 Ghz	90 dB/cm	
Tensile Strenght	>4 Mpa	
Hardness	70 shores A	
Flammability rating	UL V0 pending	

Data for design engineer guidance only. Observed performance varies in application.

Engineers are reminded to test the material in application.



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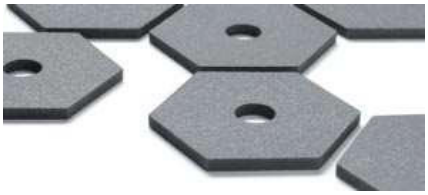
Eccosorb® SF

Thin, Flexible, Resonant Microwave Absorber



RESONANT MICROWAVE ABSORBER

Eccosorb SF is a narrow banded, magnetically loaded resonant absorber sheet for free-space applications. These silicone rubber sheets are designed to be bonded to flat or curved metallic surfaces to reduce the reflectivity in a narrow band of frequencies. Eccosorb SF reflects -20 dB or less of normally incident microwave energy at the design frequency in the range of 1 to 26 GHz.

FEATURES AND BENEFITS

- High power performance
- Narrow band performance
- Low outgassing properties

MARKETS

- Commercial Telecom
- Security and Defense
- Automotive

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB SF
Max service temperature °C (°F)	163 (325)
Power Handling W/cm²	0.2
Hardness (Shore A)	73
Density Range g/cm³	2.4-4.5
Tensile Strength (MPa)	1.0-6.0
Elongation at break %	20 - 100
Tear Strength N/mm	0.2-2.0

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

APPLICATIONS

- Lining radar nacelles and the exterior of airframes particularly where high power is present.
- Lining of cavity backed and shrouded telecommunication antennas where narrowband performance is required.
- Lining metal surfaces of vehicles to reduce overall radar signature.
- Attaching to masts of ships, walls, etc to reduce reflections and echoes from nearby antennas.
- Lining magnetron housings to prevent detuning.
- Fabricating into tapered shapes for impedance matching in waveguide or microstrip applications.
- Lining metal surfaces to attenuate surface currents, suppressing reflections inside microwave modules, and dampening cavity resonances in microwave modules.
- For module interference, cavity resonance and surface current problems, ECCOSORB® GDS, ECCOSORB® MCS and ECCOSORB® BSR are recommended due to their high magnetic loss properties, broad band performance, as well as the availability of a wider range of thicknesses (0.010” to 0.100”).

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Eccosorb® SF

Thin, Flexible, Resonant Microwave Absorber

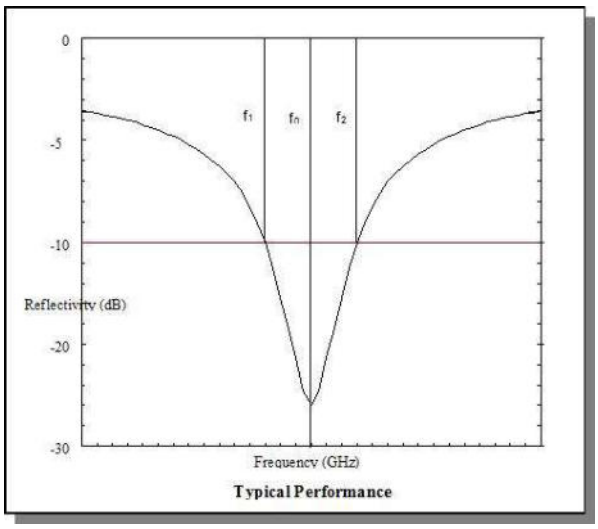
AVAILABILITY

- Standard sheets are 305 x 305mm (12”x12”)
- Thickness varies depending on resonant frequency desired. Thickness is indicative and is tuned to meet the reflectivity specifiction
- Other resonant frequencies up to 40 GHz can be supplied on special order
- The material can also be supplied in customized shapes and can be supplied with a pressure sensitive adhesive (PSA).

INSTRUCTIONS FOR USE

- Eccosorb SF is designed to function directly in front of a metallic surface. If this is not the case, a metallic foil should first be bonded to the object.
- For optimum performance, material is recommended and can be supplied with a metal backing (-ML)
- To obtain a strong bond of the absorber to the object, clean the surface with a degreasing solvent, apply a thin coat of primer to the dried surface and apply an RTV silicone adhesive.
- Eccosorb SF can be readily cut with a sharp knife and template.
  It is a very flexible material and will conform to mild curvatures.

Typical Reflectivity Performance



The performance of ECCOSORB® SF is defined by reflectivity at a single frequency. A generalized performance curve is shown above. The design frequency f0, has a ±5% bandwidth, designated as f1 and f2. Although performance degrades with increased incidence angle, at incident angles out to 45°, reflectivity of -16dB has been demonstrated.

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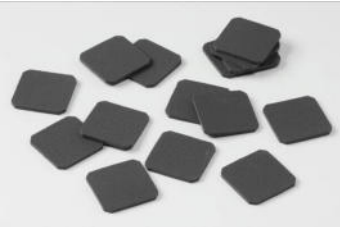
RFP-DS-SF 081815

Eccosorb® FGM

Thin, Flexible, Broadband Microwave Absorber



THIN FLEXIBLE BROADBAND ABSORBER

Eccosorb FGM is a thin, flexible, magnetically loaded, silicone absorber. Silicone absorbers have high service temperature capabilities and offer advantages for high power and low out-gassing applications. They can be subjected to high altitudes, including space, with no adverse effects.

FEATURES AND BENEFITS

- High power performance
- High magnetic loss
- Low outgassing properties

MARKETS

- Commercial Telecom
- Security and Defense

SPECIFICATIONS

TYPICAL PROPERTIES	ECCOSORB FGM-40	ECCOSORB FGM-125
Frequency Range (GHz)	4 - 18	2 - 12
Max Service Temperature °C (°F)	170 (338)	170 (338)
Hardness (Shore A)	94	85
Weight kg/m² (lb/ft²)	5.0 (1.0)	10.8 (2.2)
Outgassing (%TML) (%CVCM)*	0.16/0.06	0.31/0.10

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

* Outgassing data per ASTM E595-07; criteria for acceptability is 1.00% TML and 0.10% CVCM.

APPLICATIONS

- Eccosorb FGM is used to line cavities in which antennas operate. It may be applied to surfaces to improve radar performance, reduce radar cross section or backscattering.
- Eccosorb FGM is effective even at high power in reducing specular reflections as well as surface currents due to the high magnetic loss properties.
- When bonded to a metal surface Eccosorb FGM will significantly reduce the reflectivity of metal objects or structures due to the flow of microwave currents on that surface.
- It can be applied to antenna elements, microwave dishes, the inner or outer surfaces of waveguides for isolation, attenuation or modification of radiating patterns.
- Applications include power amplifiers, oscillators, down/up converters and LNB's. It is also utilized to modify antenna patterns, cover antenna feed supports, line antenna caps to reduce reflections and improve the isolation of sensitive RF devices.

AVAILABILITY

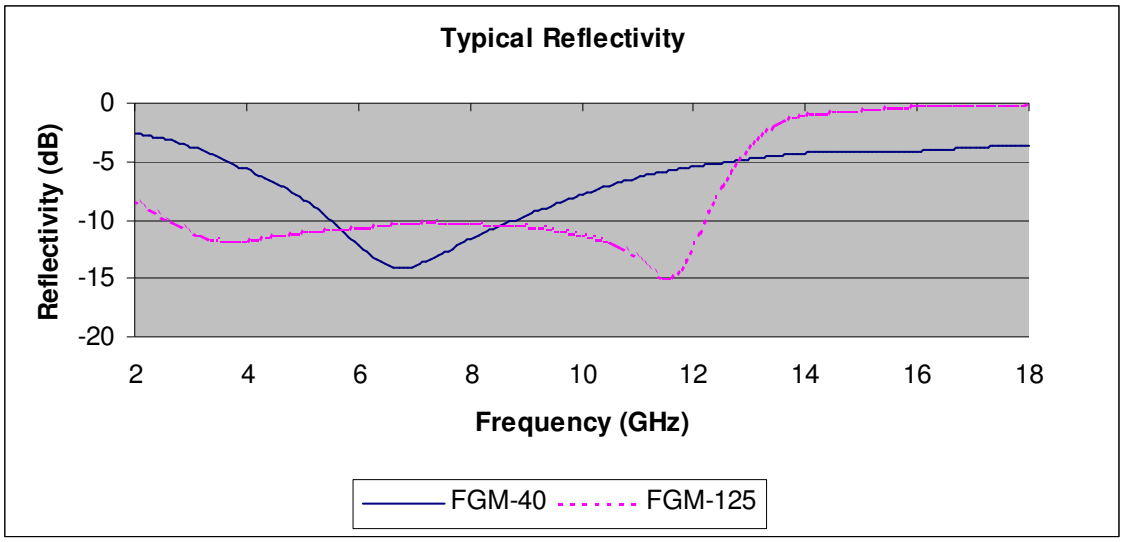
- Standard sheets are 305 x 305mm (12"x12").
- Standard thicknesses are 1.0mm (.040") and 3.2mm (.125").
- On request Eccosorb FGM can be supplied with a Pressure Sensitive Adhesive.
- The product is also available in other sizes, thicknesses and customer specified configurations upon request.

Americas: +1.866.928.8181
Europe: +49.(0)8031.2460.0
Asia: +86.755.2714.1166

www.lairdtech.com

INSTRUCTIONS FOR USE

- To obtain low reflectivity, the absorber must be mounted on a metal surface.
- The material can be bonded by use of an RTV silicone based adhesive in conjunction with a suitable primer. To obtain a strong bond, the metallic surface should be thoroughly cleaned with a degreasing solvent.
- Eccosorb FGM can be readily cut with a sharp knife and template. It is a very flexible material and conforms to contoured surfaces.



NoiseSorb NS1000 Series

EMI Noise Suppression Absorber

EMI NOISE SUPPRESSION ABSORBER:

NoiseSorb NS1000 series is an ultrathin near field noise suppression absorber product used for EMI control in electronic devices. The absorber is designed for the frequency range from 20 MHz up to 2 GHz. It is used to mitigate EM energy; it interacts and suppresses the magnetic field at the noise source.

FEATURES AND BENEFITS

- High magnetic permeability
- RoHs, Halogen Free
- Outstanding temperature stability
- Low outgassing

MARKETS

- Consumer electronics including smart phones & tablets
- Industrial electronics including automotive/infotainment

SPECIFICATIONS

TYPICAL PROPERTY	NOISESORB NS1000 SERIES
Initial permeability @ 1 MHZ	110
Effective frequency range	20 MHZ – 2 GHz
Specific gravity (g/cc)	3.5
Thickness (mm)	0.06, 0.10, 0.20, 0.40
Thickness tolerance	+/- 10%
Operating temperature range (°C)	-40 up to 105
Surface resistivity (Ω)	10^6 min.
Thermal conductivity (W/mK)	1.0
Tensile strength (Mpa)	35
Outgassing (%TML) (%CVCM)*	0.186/0.011

Data for design engineer guidance only. Observed performance varies in application.
Engineers are reminded to test the material in application.
*Outgassing data per ASTM E595-07; criteria for acceptability is 1.00% TML and 0.10% CVCM.

APPLICATIONS

- NoiseSorb NS1000 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, NoiseSorb NS1000 series has proven to be effective in damping resonances and reducing surface currents.

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NoiseSorb NS1000 Series

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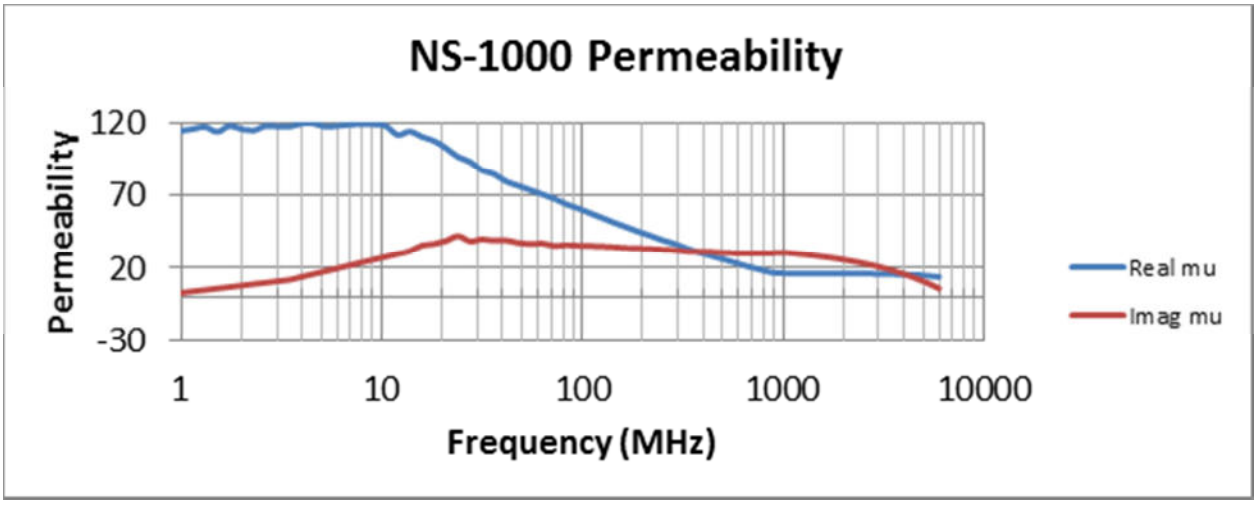

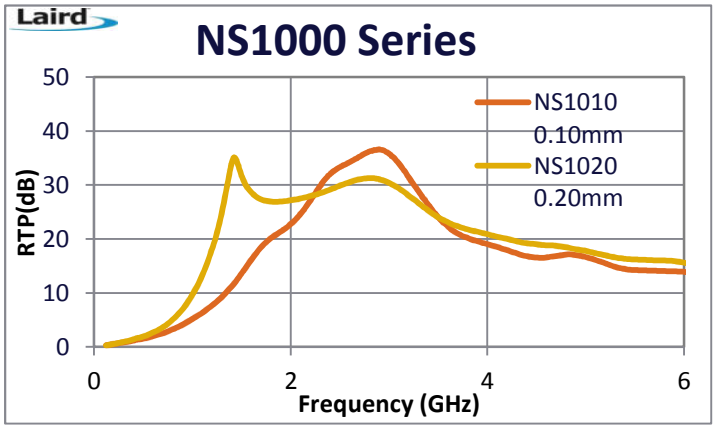

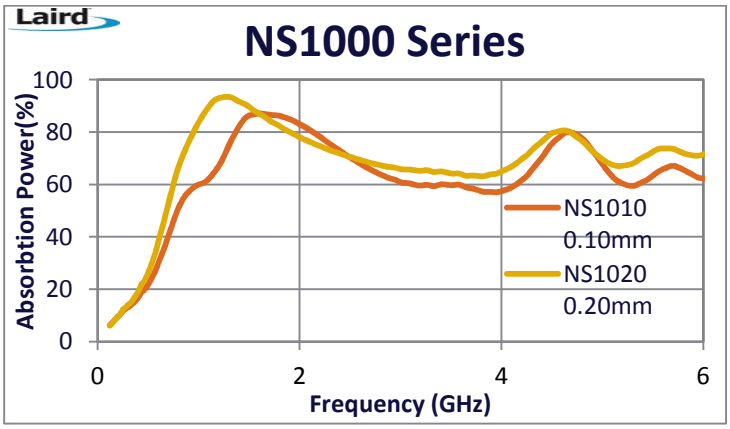

AVAILABILITY

- Available in four standard thicknesses: 0.06mm (.002”), 0.10mm (.004”), 0.20mm (.008”) and 0.40mm (.016)
- Standard sheet size 210mm X 300mm
- Includes 0.05mm transfer tape for self-adhesive application
- Product can be supplied as cut parts to customer print.
- Samples available upon request; standard sample size is 100mm X 100mm

NS1000 SERIES ORDERING SYSTEM

- Last two digits represent thickness of sheet in hundredths of a millimeter (XX/100mm)
- For example, P/N NS10XX where XX is 10 = 0.10mm X 210mm X 300mm (standard sheet size)
- Suffix after P/N represents sample size. For example, NS1020S = 0.20mm X 100mm X 100mm

RFP-DS-NS1000 022117