

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 (165° c). It has a UL94 pending fire retardancy rating.

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

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

FEATURES

- 5G mmWave Frequencies
- 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

USA: +1.866.928.8181

Europe: +49.8031.24600

Asia: +86.755.2714.1166

www.lairdtech.com



AVAILABILITY

- Standard sheet size is 305mm x 305mm (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).

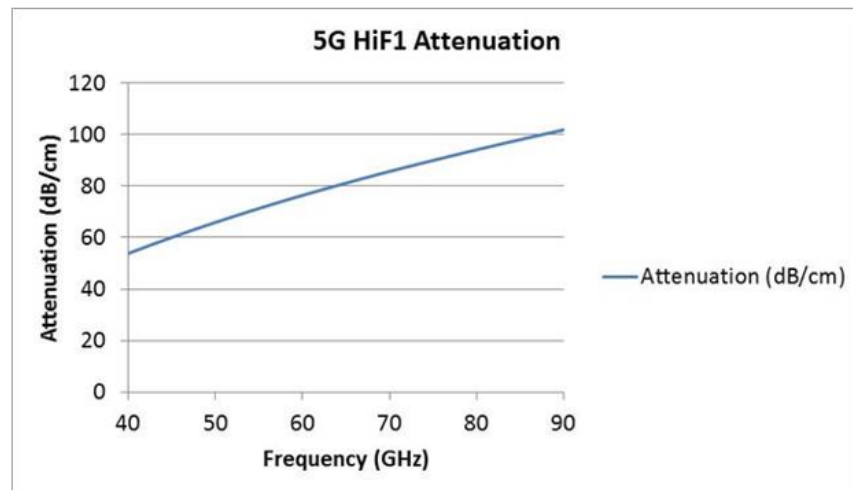
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SPECIFICATION

TYPICAL PROPERTIES	FEATURES	
Color	Light grey	
Density	1 Kg/m ²	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 94 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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