



THIN BROADBAND MILLIMETER WAVE ABSORBER

Eccosorb MMI is a flexible absorber based on dielectric loss fillers. It gives excellent performance between 40 – 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/m ²
Water absorption	Impervious to water
Service Temperature °C(°F)	-55 to 165 (-67 to 329)
Frequency Range	≥ 6 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).

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

www.lairdtech.com

RFP-DS-MMI 081815

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.

