

5G MEDIUM FREQUENCY ABSORBER

5G MeF 1 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 range. It has a UL94 V-0 rating.

FEATURES

- 5G Frequencies
- 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

USA: +1.866.928.8181

Europe: +49.8031.24600

Asia: +86.755.2714.1166

www.lairdtech.com



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).

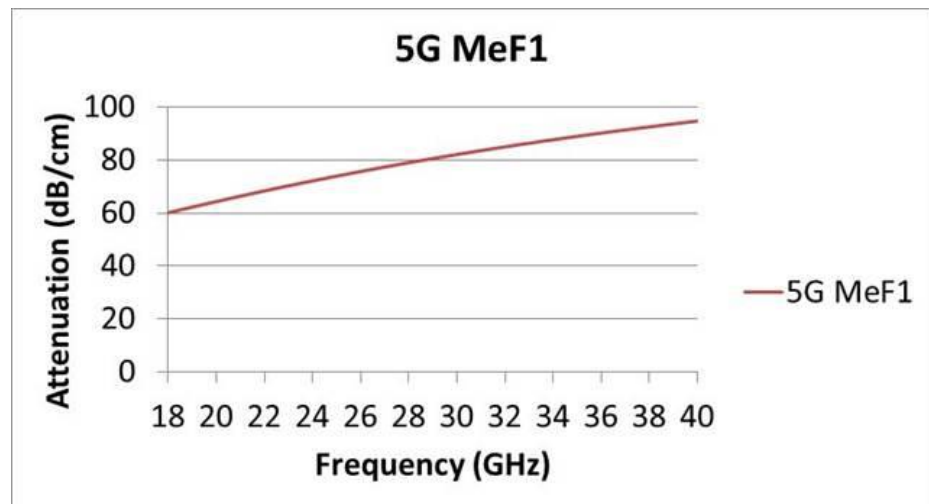
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SPECIFICATION

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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