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).

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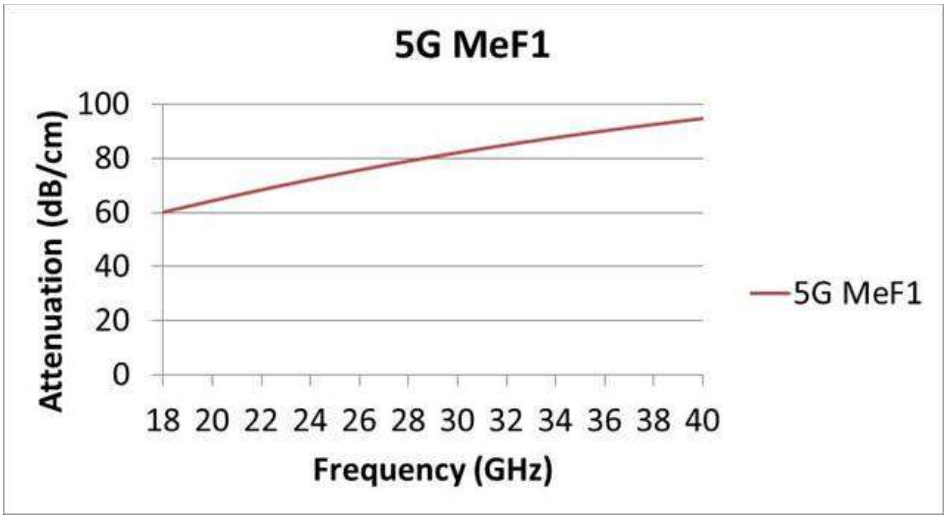
5G Medium Frequency absorber

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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