

## Radio Absorbing Material DC-18GHz

- Lightweight, flexible, thin
- Wide absorption bandwidth
- Available for Microwave Frequency range
- Commercial Communications
- Security and Defence

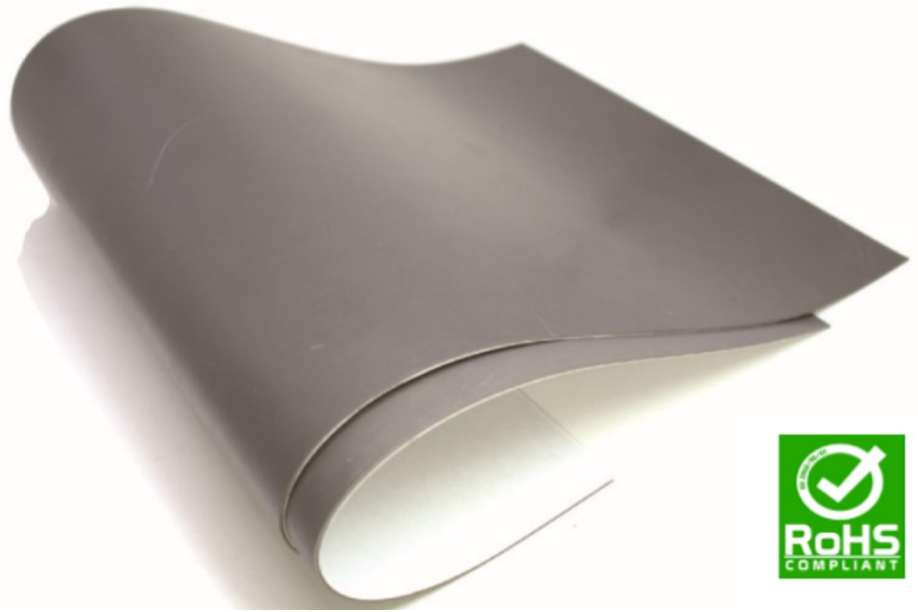
Our microwave absorber, which is made of a mixture of polymer resin and metal magnetic powder, is designed as a thin and flexible sheet (A4 size format) with an excellent degree of workability as it can be easily bonded.

The RAM sheet can suppress radiation noise of electronics devices for wideband frequency range. It also reduces surface current as well as surface reflection in cavity resonant applications.

The absorbing sheet is available in a variety of different levels of thickness depending on the resonant frequency required.

### For best results:

- To obtain a strong bond of the absorber to the metallic surface of the object, this should be thoroughly cleaned beforehand, using a degreasing solvent if necessary.
- The RAM sheet is designed to function directly in front of a metallic surface. If needed, a metallic foil can be bonded to the object.
- Self-adhesive or epoxy and acrylic adhesives are recommended.
- The A4 dimensions of its format can easily be cut with a sharp knife and template to suit the desired size.



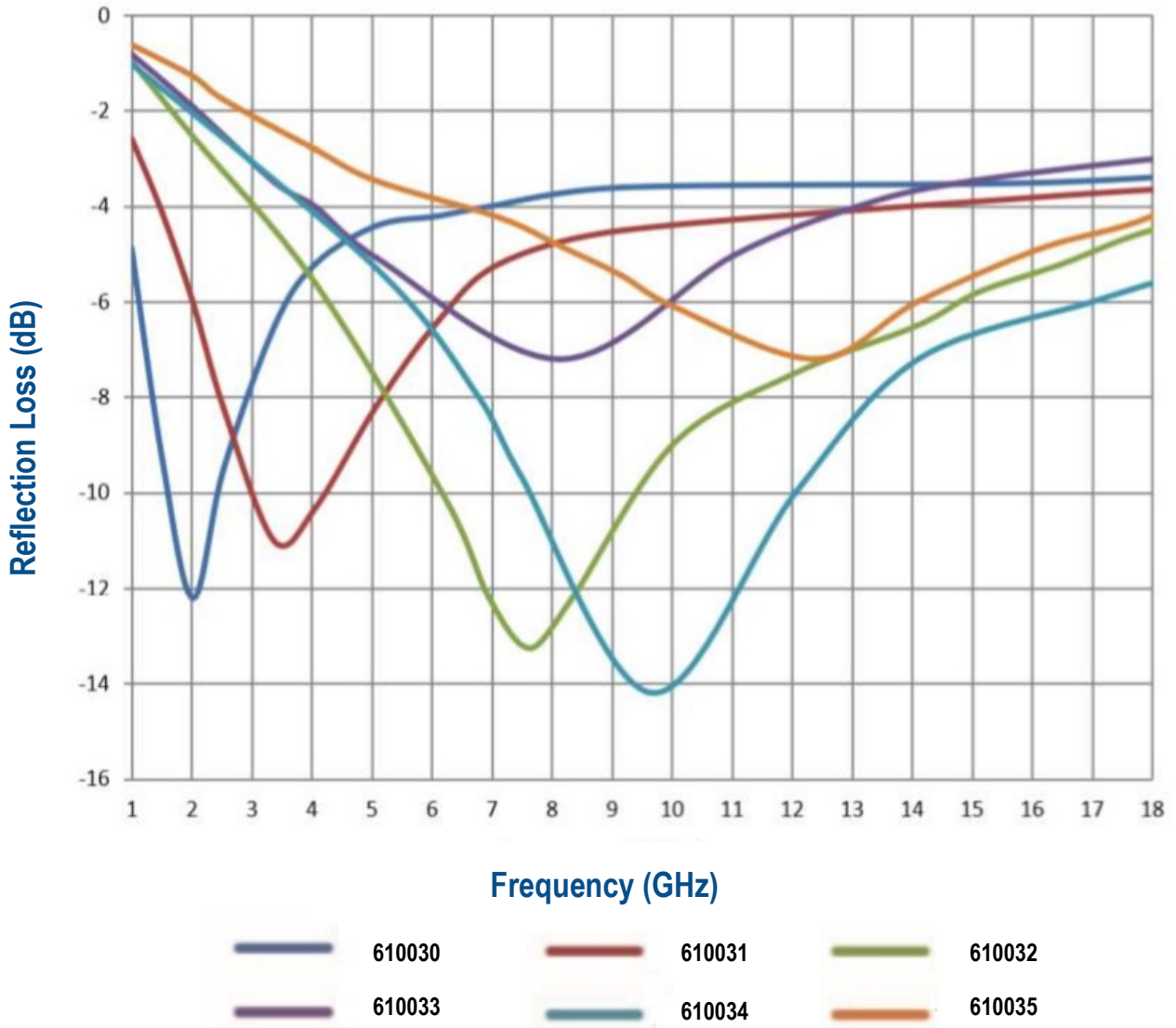
RF Parameters	610030	610031	610032	610033	610034	610035
Frequency Range (GHz)	DC-18GHz					
Peak & Center Freq (GHz)	2.0	2.0	7.0	8.0	10.0	12.0
Standard thickness (mm)	2.0	1.2	1.0	0.7	0.8	0.5
Standard size (mm)	210x300 (A4 size)					
Surface resistance (Ω)	1x10 <sup>6</sup> (min)					
Specific gravity	3.7±0.7					
Temperature range (°C)	-30 to 90					
Hardness (Shore A)	93±5					

Note 1: The specification provided is at nominal bias voltage and at 25°C unless otherwise specified

Note 2: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 3: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.





\* When ordering, please specify the part number required by checking the frequency and the thickness desired (e.g. 610030, Freq. 2.0GHz, 2.0mm thickness)

Ordering guide						
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