

## ABS-SRB

### Machinable resin based microwave absorber

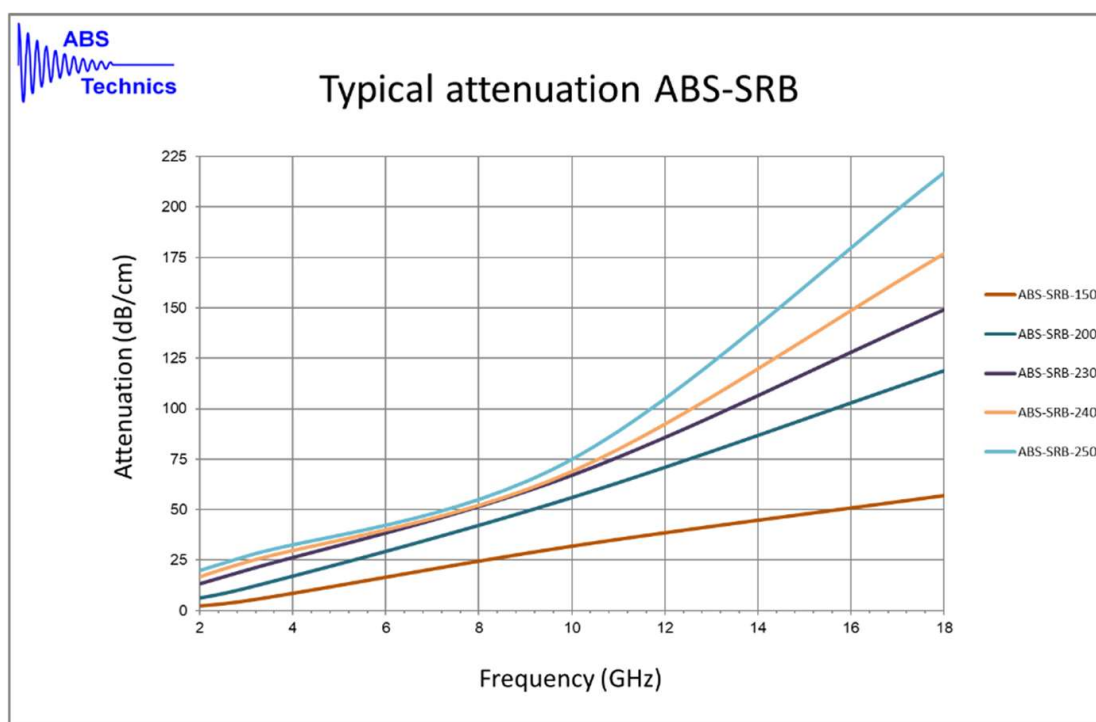
ABS-SRB is a series of resin based magnetically loaded microwave absorbers.

The absorber material is supplied in different forms such as sheets, bars and rods with different dimensions. The standard stock material is typically used for machining specific 3D-shapes.

#### Applications :

- ABS-SRB is used as finished or customised part in many RF-applications such as terminators in waveguides end sections and as attenuators on waveguide walls, on strip lines and in cavities
- Due to its excellent absorber properties ABS-SRB can also be used to suppress surface currents on antenna array elements, shape and type of grade are very important.

#### Specifications :



#### Properties :

- Frequency range : > 1 GHz
- Maximum service temperature : 170°C
- Density : 3,5 - 4,8 g/cc
- Hardness : 85 Shore D
- Water absorption : < 0,3 % (24 hrs)

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**Availability :**

As shown on the above graph ABS-SRB is available in different grades indicated from 150 up to 250. In function of its grade for a similar thickness, performance will evolve linearly with the frequency. Standard available shapes are sheets, bars and rods. Flat sheets are available with dimensions 305x305mm and thickness between 6mm and 75mm. Bars and rods can be supplied to different diameters and sections, maximum available lengths are 305mm. Specific customized 3D shapes can be produced on request to customer drawings.

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