

ABS-SCSE

Thin, flexible microwave elastomer absorber

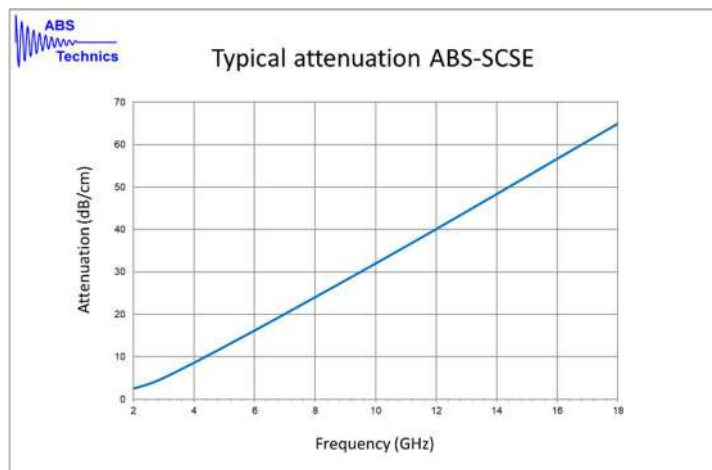
ABS-SCSE is a thin silicone absorber with high loss properties. The absorber material is a non-conductive silicone based material designed for the suppression of surface currents and cavity resonance applications in the higher frequency range.

The absorber sheets can be supplied with a self-adhesive backing or can be installed using an adequate liquid adhesive. Silicone material is typically used for harsh environments, high temperature applications and applications where low outgassing is a requirement.

Applications :

- Lining cavities typically to suppress standing waves and surface currents, the material is not designed nor intended to be used in reflectivity mode.
- ABS-SCSE is typically installed in applications in the frequency range above 8 GHz.
- High frequency sensor systems, LNB's, waveguides, amplifiers are often equipped with ABS-SCSE to assure RF-stability.

Specifications :



Properties :

- Frequency range : > 8 GHz
- Hardness : 70 Shore A
- Maximum service temperature : -40°C up to 170°C.

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Availability :

Standard outside dimensions are : 305x305x0.75mm but also specific or customized thicknesses, sizes and shapes can be supplied to suite the available space in the application.

Typically for low outgassing applications it is preferred to bond the material using a liquid silicone adhesive, in most cases a primer needs to be applied prior to adhesive.



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