

ABS-SCE

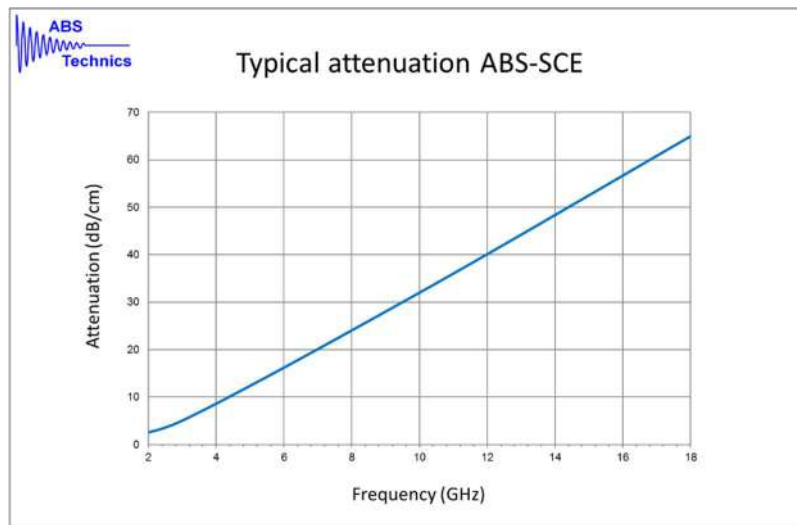
Thin, flexible microwave elastomer absorber

ABS-SCE is a thin urethane absorber with high loss properties. The absorber material is a non-conductive urethane based material designed for the suppression of surface currents and cavity resonance applications in the higher frequency range. The urethane based material is easy in bonding. For harsh environments and high temperature applications also the silicone based ABS-SCSE can be applied.

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-SCE 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-SCE to assure RF-stability.

Specifications :



Properties :

- Frequency range : > 4 GHz
- Hardness : 80 Shore A
- Maximum service temperature : -40°C up to 120°C.

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Availability :

Standard outside dimensions are : 305x305x0.75mm but also specific or customized thickness, sizes and shapes can be supplied.

ABS-SCE is available in several thicknesses to suite the available space in the applications.

The urethane version assures a good and easy bonding process using self-adhesive tape.

By itself the material has very high mechanical strength and excellent abrasion resistance.

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