

## ABS-LFSE

### Thin flexible microwave elastomer absorber

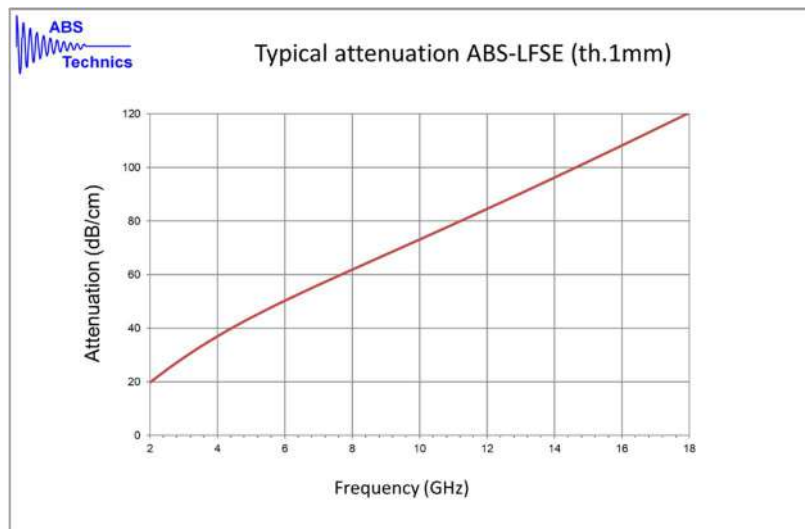
ABS-LFSE is a thin silicone absorber with magnetic loading. The absorber is designed for the suppression of surface currents and cavity resonances applications in the lower frequency range but is also used on reflectivity applications.

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.
- When bonded to a metal surface the material will reduce the reflectivity level of the metal object.
- LNB's, waveguides, amplifiers, converters and oscillators are often equipped with ABS-LFSE to improve RF-stability.

#### Specifications :



#### Properties :

- Frequency range : > 800 Mhz up to 12 GHz
- Hardness : >94 Shore A
- Maximum service temperature : -40°C up to 170°C.

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**Availability :**

Standard outside dimensions are 305x305mm with available thicknesses 0.5 and 1mm..

Also customer specific thicknesses, sizes and shapes can be produced to suite the available space in the applications..

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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