

## ABS-LFE

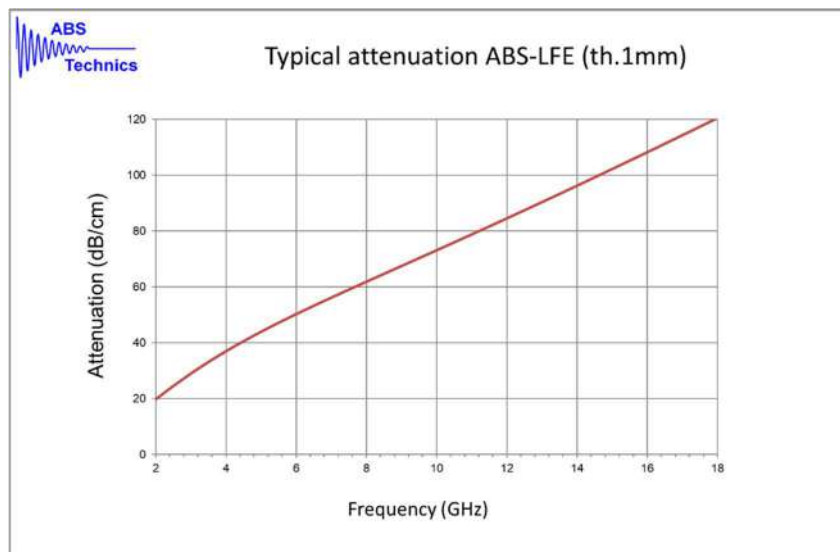
### Thin flexible microwave elastomer absorber

ABS-LFE is a thin urethane 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 urethane based material is easy in bonding. For harsh environments and high temperature applications also the silicone based ABS-LFSE can be applied.

#### 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-LFE to improve RF-stability.

#### Specifications :



#### Properties :

- Frequency range : > 800 Mhz up to 12 GHz
- Hardness : 95 Shore A
- Maximum service temperature : -40°C up to 120°C.

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**Availability :**

Standard outside dimensions are : 305x305x0.5 and 1mm but also specific or customized thickness, sizes and shapes can be supplied.

ABS-LFE 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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