ABS-MLE

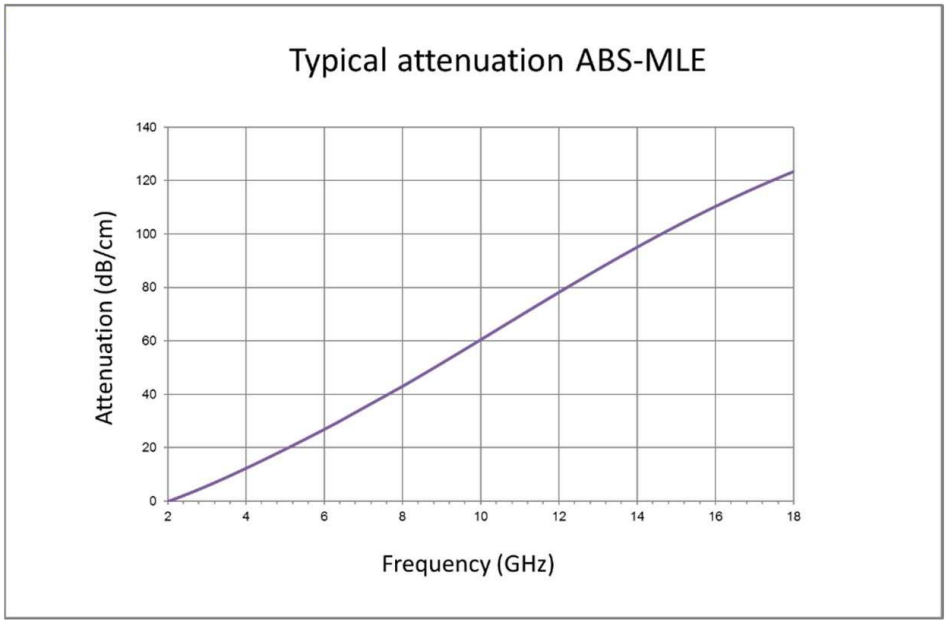
Thin flexible microwave elastomer absorber

ABS-MLE is a thin urethane absorber with magnetic loading. The absorber is designed for the suppression of surface currents and cavity resonances applications for a very broad frequency range. The urethane based material is easy in bonding. For harsh environments and high temperature applications also the silicone based ABS-MLSE can be applied.

Applications :

- Lining cavities typically to supress standing waves and surface currents.
- When bonded to a metal surface the material will reduce the reflectivity level of the metal object.
- Antenna elements are often equipped with ABS-MLE to reduce side lobes and improve the antenna pattern
- LNB's, waveguides, amplifiers, converters and oscillators are often equipped with ABS-MLE to improve RF-stability by improving attenuation

Specifications :



Properties :

- Frequency range : > 4 Ghz up to 60 GHz
- Hardness : 90 Shore A
- Maximum service temperature : -40°C up to 120°C.

Availability :

Besides standard outside dimensions (305x305x1mm) also specific or customized thickness, sizes and shapes can be supplied.
ABS-MLE 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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