ELECTRONIC SERVICE GmbH
Hohe Str. 3 | 61231 Bad Nauheim
Fon: 06032-96360 | Fax: 06032-963649
info@electronic-service.de

esorb - EA5-S

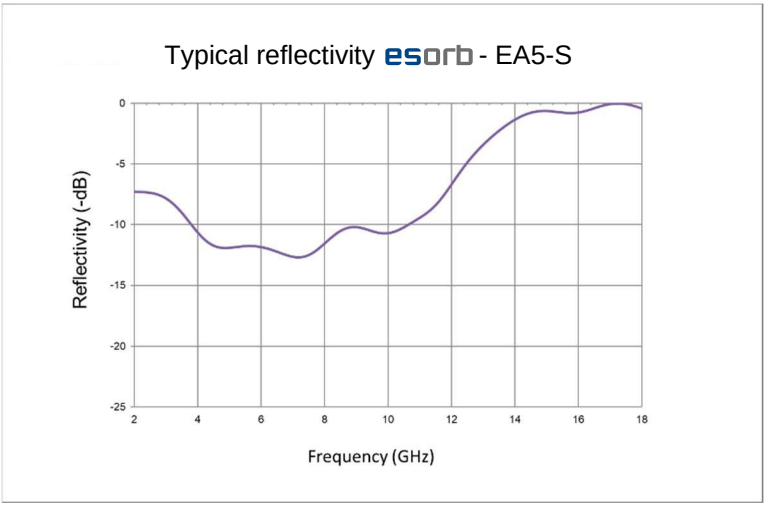
Flexible microwave elastomer absorber

esorb - EA5-S is a thin silicone absorber with magnetic loading. The absorber is applied in the lower frequency range for reduction of reflections but also for the suppression of surface currents and cavity resonances 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 :

- esorb - EA5-S is often used to line the housing of antenna systems, the absorber material will supress both 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 esorb - EA5-S to improve the antenna pattern.

Specifications :



Properties :

- Frequency range : 1 Ghz up to 12 GHz
- Hardness : 85 (shore A)
- Maximum service temperature : -40°C up to 170°C.

ELECTRONIC SERVICE GmbH
Hohe Str. 3 | 61231 Bad Nauheim
Fon: 06032-96360 | Fax: 06032-963649
info@electronic-service.de

Availability :

Standard outside dimensions are 305x305mm available thicknesses are 1, 2 and 3mm.
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 the adhesive.
By itself the material has very high mechanical strength and excellent abrasion resistance.