

ReZorbTM S

MM Wave elastomer Absorber

ReZorbTM S Elastomeric Absorber Sheet

ReZorbTM S is a pure dielectric silicone absorber with no magnetic properties. Using the Laird patterning process, a shaped surface is added to greatly reduce the reflected RF signals at similar level of performance in any angle of incidence.



FEATURES AND BENEFITS

- High reflection reduction
- High loss
- UL 94 V0
- Flexible
- Dust Free
- High Frequency applications

MARKETS

- Datacom/Telecom
- Industrial
- Automotive
- Military/Aerospace

SPECIFICATIONS

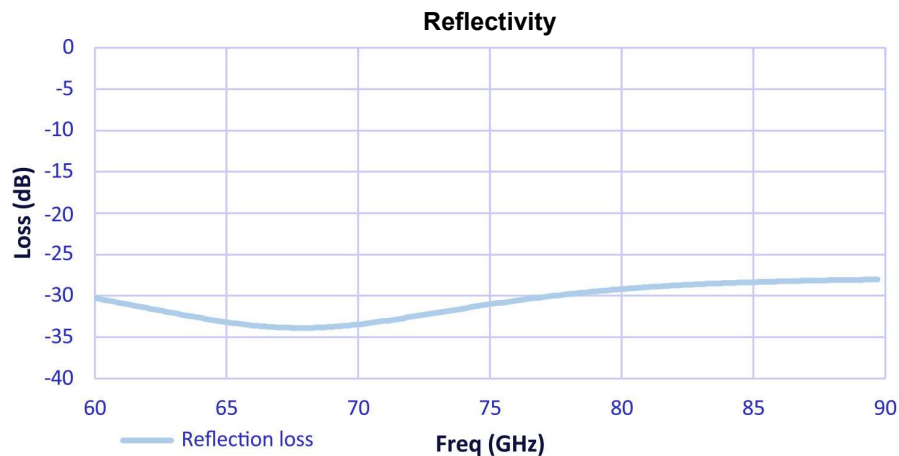
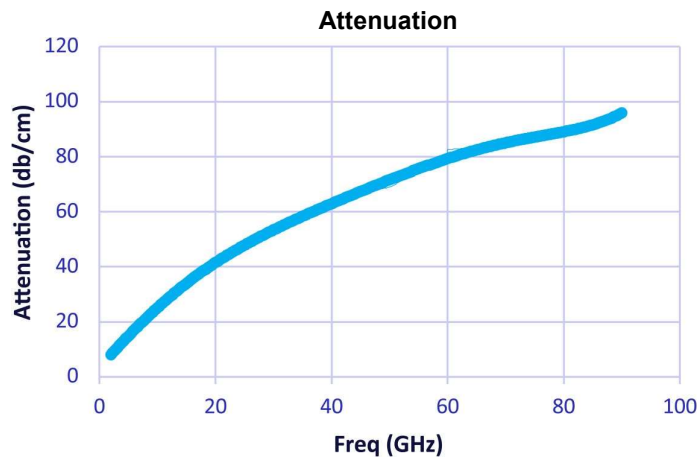
TYPICAL PROPERTIES	DATA
Reflectivity @60-90Ghz	>-25dB
Color	Black/Dark grey
Tensile strength	255 psi
Elongation	50%
Flammability	UL94 V0
Operating Temperature	-70°C to 177°C
Standard Thicknesses (mm)	4.7 +/- 0.5 mm

APPLICATIONS

- ReZorbTM S is used around antennas to increase signal accuracy by reducing EMI through insertion loss as well as reflection reduction.
- In radar applications the side lobe of the antenna pattern can be distorted due to signal reflections on structures around the antenna. ReZorbTM S used on the bracket or structure around the antenna can greatly reduce those side lobe distortions preventing false positive and negatives.
- ReZorbTM S is an alternative to traditional foam absorber showing reliability limitation. It can be used in high frequency test box , bench test and RF laboratory equipment .
- ReZorbTM S is helping enhancing performance of high frequency mm wave scanner equipment eliminating the unwanted reflection back to the receiver.

AVAILABILITY

- Standard tiles are 200 x 200mm (8"x8") with interconnecting features to assemble large surface
- It can be supplied pre assembled with a Pressure Sensitive Adhesive
- Available die cut to drawing
- Tunable frequency range possible



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