

Millimeter-Wave Absorbent Sheet

OVERVIEW

These sheets are millimeter-wave absorbers produced by mixing soft magnetic powders and silicone resin. Their heat resistance and flexibility are so high that they can be used for noise suppression such as 5G, next-generation mobile communications, and in-vehicle radar communications. It is possible to attach them at small gaps and complicated shapes since they have excellent processability due to their sheet forms.

FEATURES

High millimeter-wave absorption property

They have more than 99% absorption ratio by the high packing of magnetic powders.

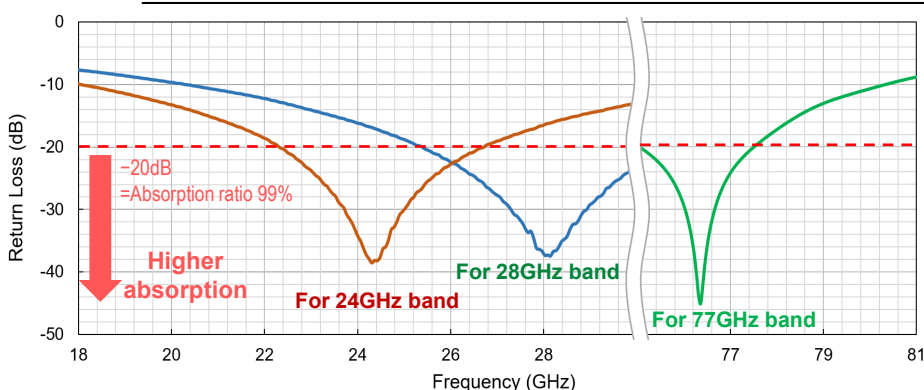
Excellent heat resistance

They can be used in various environment by use of low outgassing silicone resin.

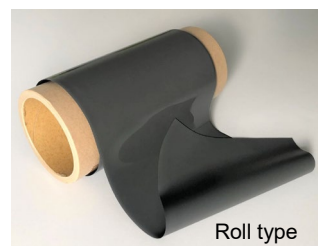
CHARACTERISTICS

【Typical Properties】

Target frequency	24GHz band	28GHz band	77GHz band
Material	Iron powder, Silicone resin	←	←
Absorption property	More than -20dB	←	←
Maximum size	□300mm	←	←
Standard thickness	1.2mm	1.1mm	1.1mm
Main application	Prevent electromagnetic interference of in-vehicle radar	Prevention of communication failures of 5G-related devices	Prevent electromagnetic interference of in-vehicle radar



【Absorption properties of millimeter-wave absorber sheets】



Roll type

※Please contact us for sample of other properties.

APPLICATIONS

- In-vehicle millimeter-wave radars
- Antenna devices at next-generation mobile communication base stations such as 5G

