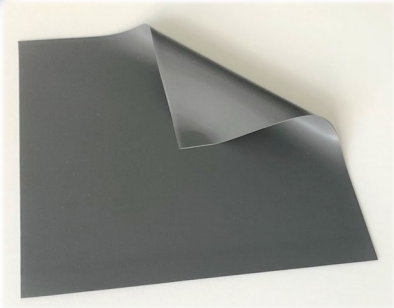


Under
Development



EMC material

Millimeter-Wave Absorbent Sheet

FEATURES

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.

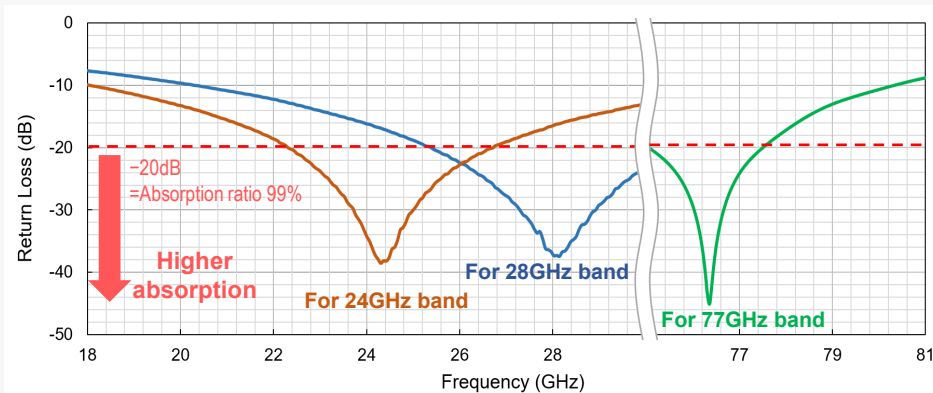
CHARACTERISTICS

- 1 High millimeter-wave absorption property**
They have more than 99% absorption ratio by the high packing of magnetic powders.
- 2 Excellent heat resistance**
They can be used in various environment by use of low outgassing silicone resin.

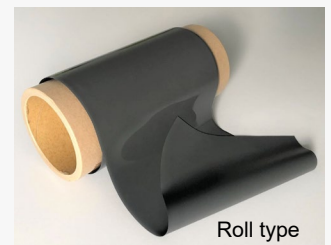
SPECIFICATIONS

【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 absorbent sheets】



※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

