

CNT電磁波吸収ゴムシート

CNT electromagnetic wave absorbing rubber sheet

薄く軽量でフレキシブルな電磁波吸収シート

Thin, lightweight and flexible electromagnetic wave absorbing sheet

→ 他用途への応用展開

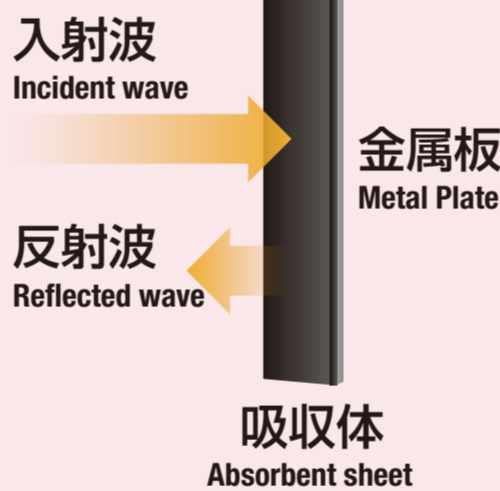
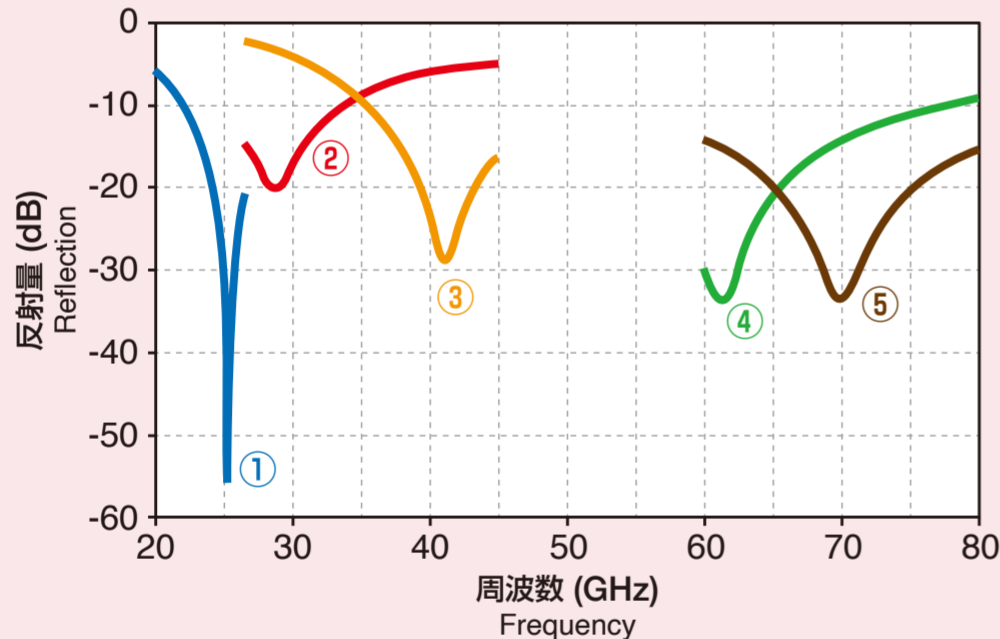
Development of applications for other uses

特徴 | Characteristics

- 金属層に添付する事で、高いミリ波帯領域のノイズ低減効果が期待出来ます (遠方界用途)
High noise reduction in the millimeter waveband region can be expected by attaching to the metal layer (Far field applications)
- 軽量 (比重1.5以下) /フレキシブル
Lightweight (specific gravity below 1.5)/Flexible
- 引張伸びが大きい (250%以上)
High tensile elongation (>250%)
- 磁性シートと比較して軽量&高い電磁波吸収能
Lightweight & high electromagnetic absorption capacity compared to magnetic sheets
- 粘着層を添付した状態で提供可能
Can be supplied with adhesive layer attached

● 遠方界用途(ミリ波レーダー用)

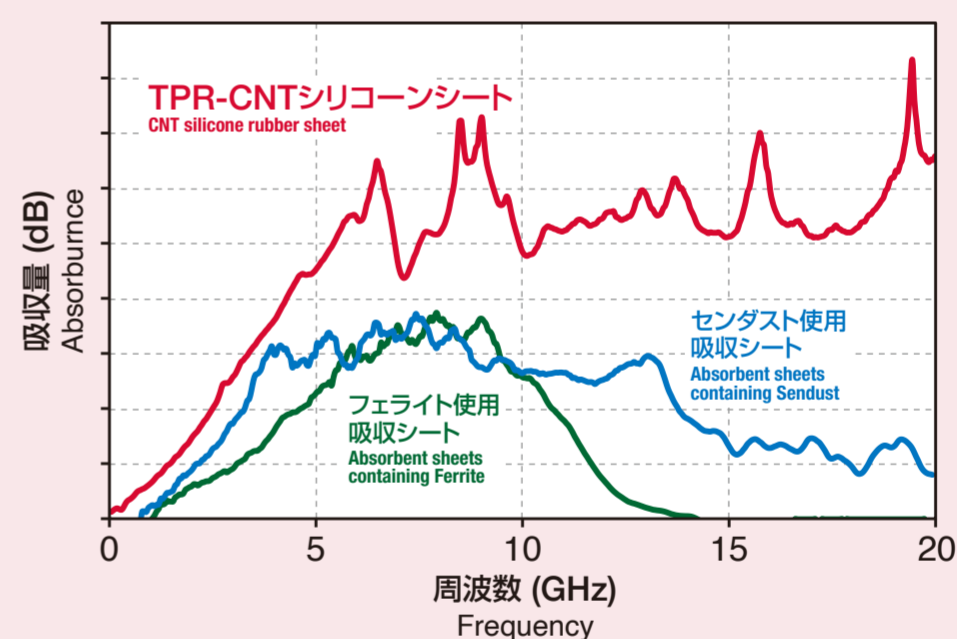
For far field applications (e.g. millimeter-wave radar)



タイプ Items	①	②	③	④	⑤
対応周波数(GHz) Frequencies	24~26	28	40~43	55~65	65~80
基準厚み(mm) Standard thickness	1	1	0.5	0.5	0.5

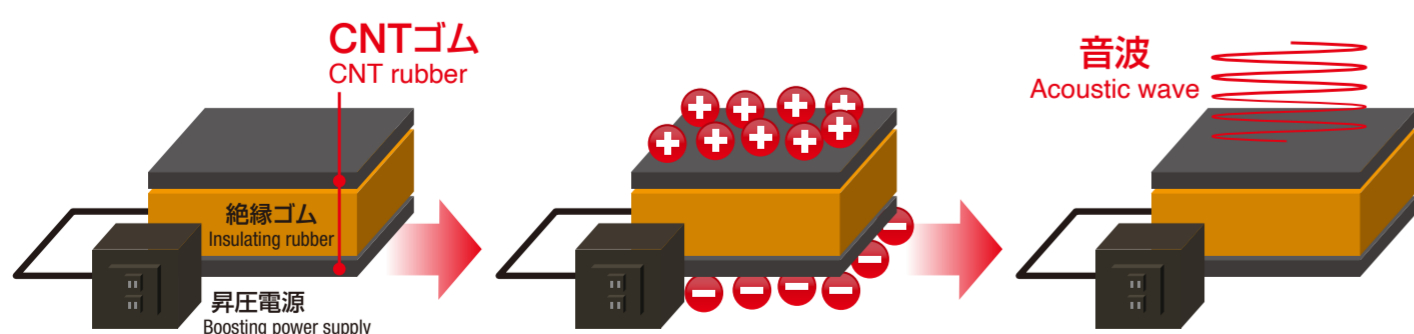
● 近傍界用途(回路など)

For near field applications (e.g. circuits)



応用展開 | Other application

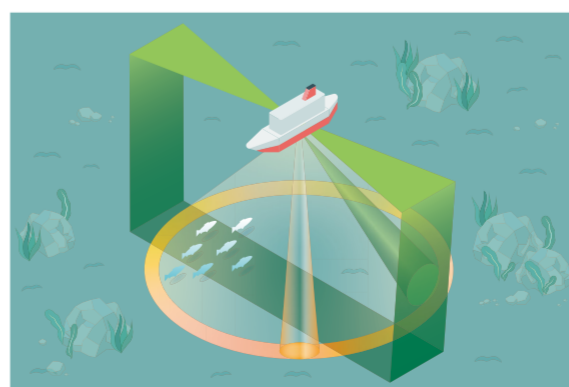
- CNTゴムシートの高いフレキシブル/静電容量を生かし、振動子の電極としての用途を検討
High flexibility/capacitance of CNT rubber sheets for use as electrodes in transducers



超音波ソナーへの応用

For ultrasonic sonar

- 魚群探知機
Fish finder



- 車両用近距離レーダー
Short-range radar for vehicles

