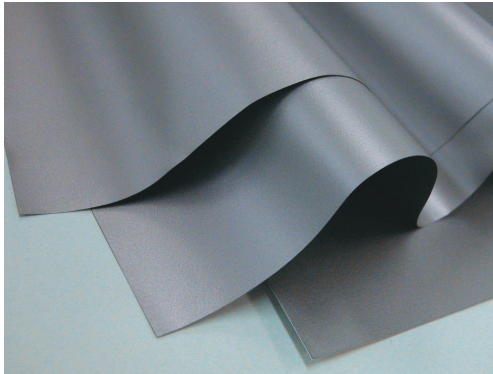




EMI ABSORBER SHEET / MG-13



2-6GHz range noise suppression sheet



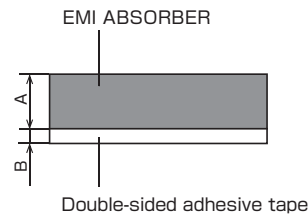
- Highly effective for suppressing electromagnetic emission and immunity.
- Ideal for management of internal interference issues in Sub-6 GHz such as Wi-Fi, 5G, and GPS wireless devices.
- Low outgassing and VOC (volatile organic compounds).
- Easy noise reduction by simply attaching onto enclosure, cables, and around PCBs *1.

Specifications

(The values below are not guaranteed.)

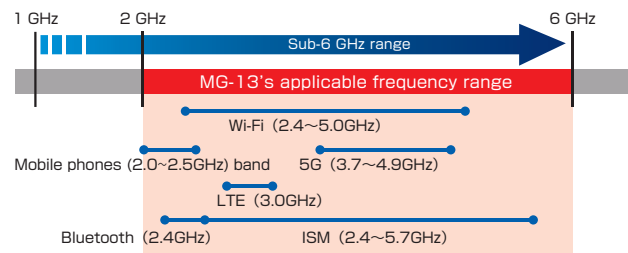
Item	Unit	Standard	MG-13
A	mm	—	0.3/0.5
B	mm	—	0.14
Permeability	$\mu r'$	—	$\geq 30 / 1\text{MHz}$
Flammability	—	UL94	HB equivalent
Volume resistivity	$\Omega\cdot\text{cm}$	JIS K 6911	10^7
Operating temperature	$^{\circ}\text{C}$	—	-40~105

Cross-section view

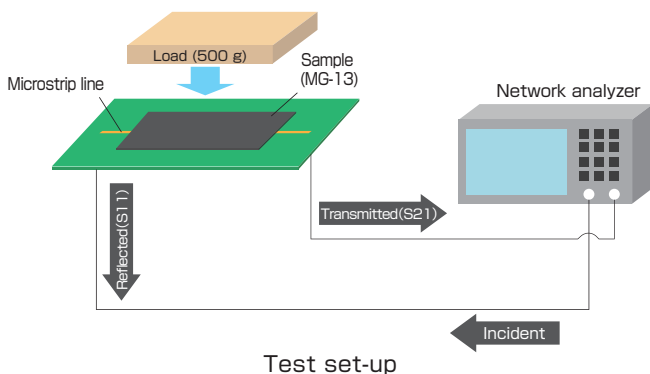


Recommended application

- On CPUs, image processing ICs and PCBs to comply with EMC standards (VCCI, FCC, CE and CCC)
- Noise interference (internal EMI) management for devices equipped with wireless circuits
ISM (2.4GHz~5.7GHz) and High Freq ETC (5.8GHz)
- In-vehicle immunity management (ISO11452-2 standard)
On-board cameras, car navigation (communication signals), and other similar electronics

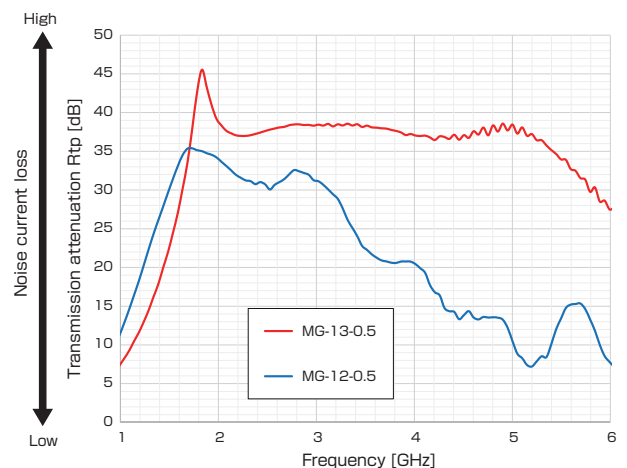


Transmission Attenuation Power Ratio (Rtp)



$$\text{Transmission Attenuation Power Ratio (Rtp)} = \frac{\text{Transmitted}}{\text{Incident} - \text{Reflected}}$$

$$Rtp = 10 \log \left\{ \frac{10^{S21/10}}{1 - 10^{S11/10}} \right\}$$



*1: Although this product is electrically non-conductive, its application where electrical insulation is required should be carefully assessed.
 *2: This product is not halogen-free.
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