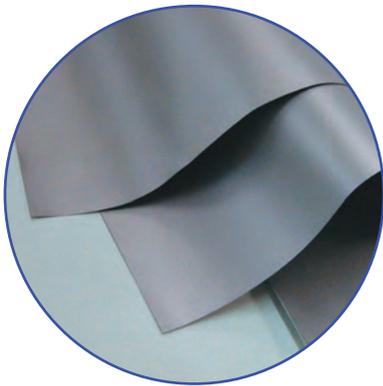




# EMI ABSORBER SHEET

## MG-13

**NEW**



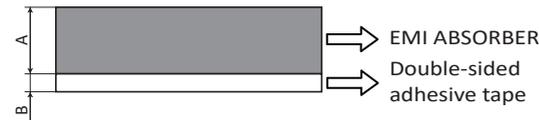
### 2-6GHz range noise suppression sheet

- 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

Part Number	MG-13
A (mm)	0.3 / 0.5
B (mm)	0.14
Volume Resistivity ( $\Omega\cdot\text{cm}$ ) JIS K 6911	$10^7$
Magnetic Permeability ( $\mu_r'$ )	$\geq 30 / 1 \text{ MHz}$
Flame Resistance (UL94)	HB equivalent
Operating Temperature ( $^{\circ}\text{C}$ )	-40 ~ 105

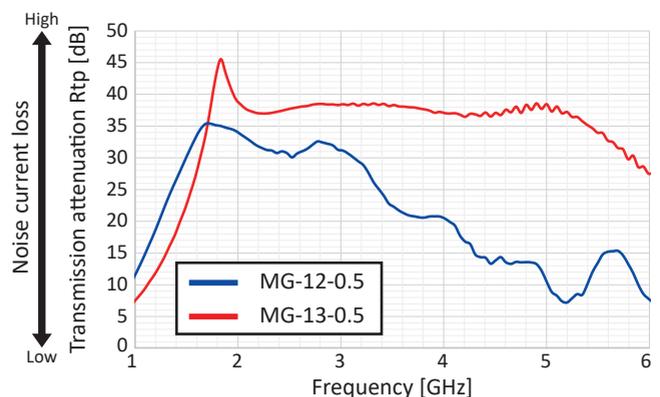
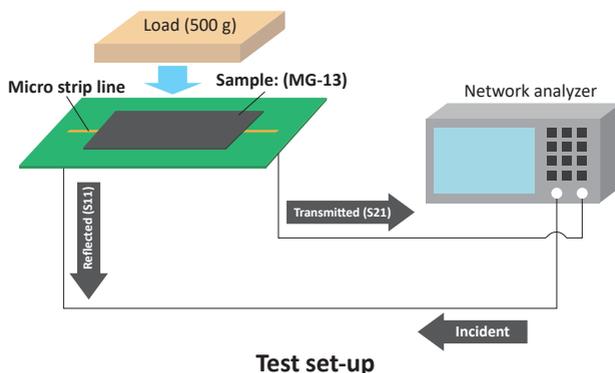
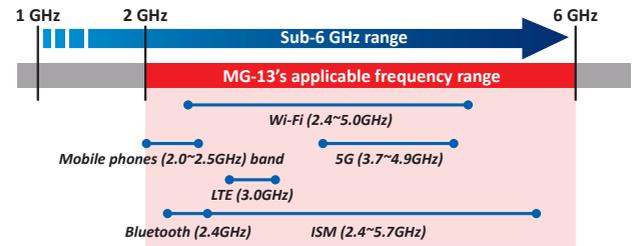
#### Cross-section view



#### 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)



$$\text{Transmission Attenuation Power Ratio (Rtp)} = \frac{\text{Transmitted}}{\text{Incident-Reflected}} \text{ Rtp} = 10 \log \left\{ 10^{\frac{S_{21}}{10}} / (1 - 10^{\frac{S_{11}}{10}}) \right\}$$

\*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.



Please request for detailed product specification data prior to purchase

All statements, specifications, properties, technical information, and recommendations herein are based on tests; however, the accuracy and completeness are not guaranteed and are subject to change without notice due to product improvement and specification change. This statement is made in lieu of all warranties, expressed or implied, including the implied warranties of marketability, and fitness for purpose. KITAGAWA INDUSTRIES America, Inc. obligation under this warranty shall be limited to replacement of product that proves to be defective. Prior to use, the user shall determine the suitability of the product for its intended use, and the user assumes all risk and liability whatsoever in connection therewith. KITAGAWA INDUSTRIES America, Inc. shall have no liability for any injury, loss, or damage arising out of the use of or the inability to use the products. No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. Reprinting or copying any content in KGS America catalogs is strictly prohibited without prior consent. KITAGAWA INDUSTRIES America, Inc. logos and markings are registered trademarks of KITAGAWA INDUSTRIES America, Inc. (dba KGS America) or an affiliate company thereof. KGS America logo may not be used or copied under any circumstances.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.