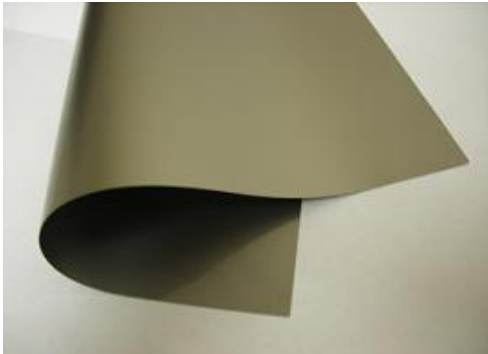


EMI ABSORBER SHEET – IME5 Series

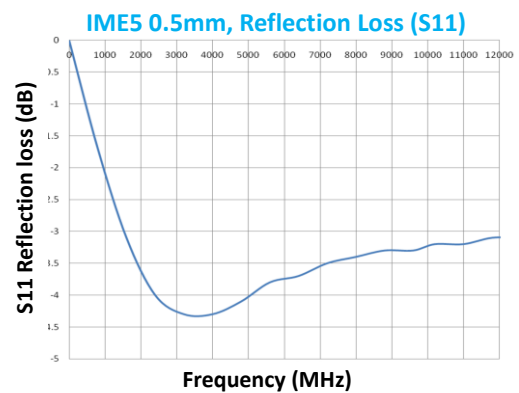
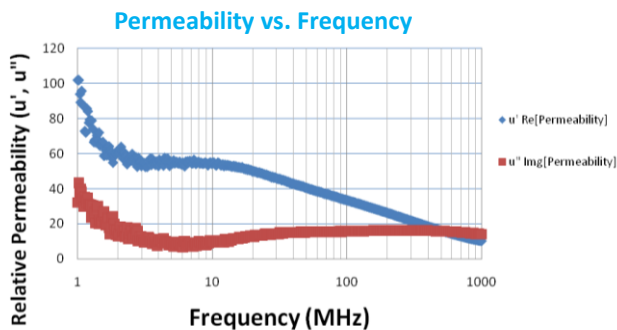


High permeability absorber, engineered for both RFID range improvement and EMI noise reduction

- IME5 works to improve RFID range (13.56MHz) via the reduction of RFID-to-metal interference.
- The material consists of high permeability fillers in an elastomeric matrix, making it suitable for EMI noise attenuation.
- Applications other than RFID-improvement include: suppression of radiated emissions in the near-field, reduction of surface noise on shield or other metal surfaces, reduction of cross-talk or other undesired coupling.

IME5 Series Technical Specifications

Property	Measured Value	Test Method
Thickness	0.1, 0.25, 0.5, 1.1mm (±15%)	-
Size	Sheet size: 210mm x 297mm (8.5" x 11") Roll size: 210mm x 10M, 20M, 50M upon request. (8" x 30ft, 65ft, 160ft)	-
Operating Temperature	-20C to 120C (-13F to 248F)	-
DC Surface Resistance	$1.0 \times 10^{10} \Omega$	ASTM D257
Thermal Conductivity	$0.8 \pm 0.1 \text{ W/m}^2\text{K}$	ASTM D-5470
UL Rating	UL94 V-0 Equivalent (t≥0.5mm) UL94 VTM-0 Equivalent (t=0.25mm)	-



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All statements, technical information, and recommendations herein are based on tests and are believed to be reliable, but the accuracy and completeness are not guaranteed and are subject to change without notice due to product improvement and specification change. The following 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. Before using, user shall determine the suitability of the product for its intended use, and 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 not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

The specifications and properties regarding performance above are not guaranteed, and are subject to change without notice due to product improvement and specification change. While our absorbers are electrically non-conductive, usage directly on the PC Board near the power should be carefully checked. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board. The products are designed for EMI noise reduction for electronics. This is not recommended to use for applications involving human life or extremely high accuracy. Prior to your usage of the products in production, please verify their performance of EMI noise absorption or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note that when the absorber products are cut, bent or pulled, there might be some possibility of creating cracks. For storage of the products keep them in cool and dry rooms at ambient temperature avoiding high temperatures, humidity, and direct sunlight. Keep in a cool, dry, well ventilated place.