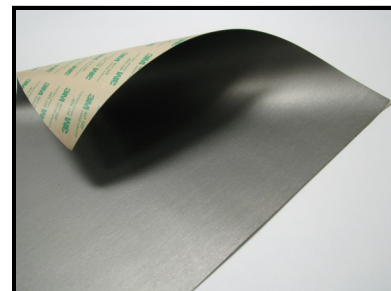




Low Frequency Absorber

MR51-0001-00

MAST Technologies' Low Frequency Absorber product series is a magnetically loaded sheet stock having high loss at sub-microwave frequencies. Low Frequency Absorbers are designed with shaped magnetic particles which exhibit high permeability at frequencies from 1 MHz to 3 GHz. The Low Frequency Absorber product line is the thinnest of the MR series products, with standard thicknesses of 0.006" and 0.020"; other thicknesses and configuration as available.



APPLICATIONS

- Traveling, creeping, surface wave absorption
- Resonant Cavity Attenuation
- EMI Reduction
- Mounted to an IC on a PCB
- Mounted directly on a microstrip
- High Frequency Interference
- Inside a shielding can

FEATURES & BENEFITS

- Tough material can survive outdoor exposure
- Very thin for compact locations
- Flexible elastomeric material will not crack
- Support broad frequency range
- RoHS Compliant
- Halogen Free

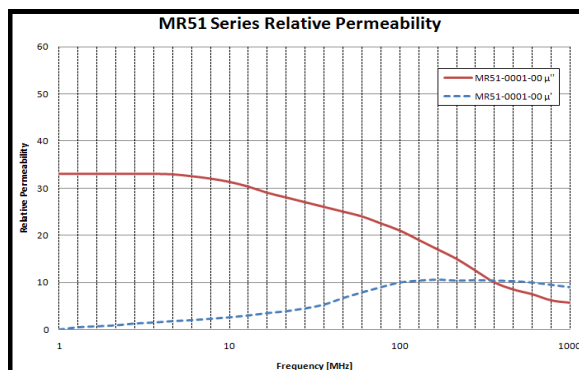
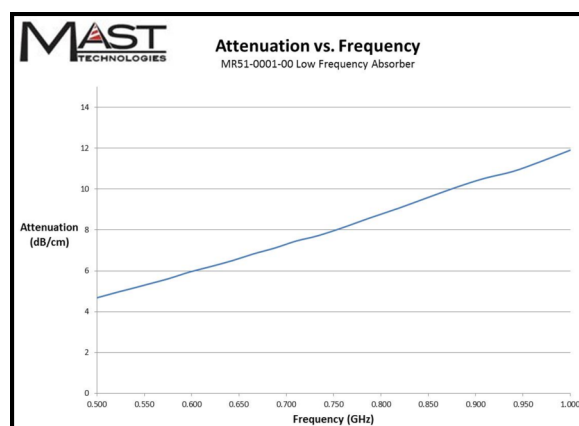
TYPICAL PROPERTIES

- Thickness: 0.006" (0.15mm)
- Adhesive Thickness: 0.002" (0.05mm)
- Color: Dark Grey
- Operating Temperature: -60°F to 375°F
- Flammability Rating: UL94-V0
- Hardness: Shore A 60-80

PART NUMBERING: MR51-0001-XX

- 00: No PSA backing
- 02: 2 mil PSA backing
- >10: Die Cut

ELECTRICAL PERFORMANCE



METHOD OF APPLICATION

The primary method of application for Surface Wave Absorbers is utilizing a Pressure Sensitive Adhesive (PSA) backing. MAST proudly uses 3M transfer tapes on its Surface Wave Absorbers. Contact MAST technical representatives for a datasheet on the PSA.

AVAILABILITY

- Standard Sheet Sizes: 12" x 24" (308 x 512mm)
- 12" wide rolls available upon request
- Format: Sheets, Die Cut, Kiss Cut Pads

Revision: January 3, 2012

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All information on this data sheet is based on laboratory testing and is not intended for design purposes. MAST Technologies makes no representations or warranties of any kind concerning this data. For part number quality assurance specifications, please contact a MAST Technologies technical representative.