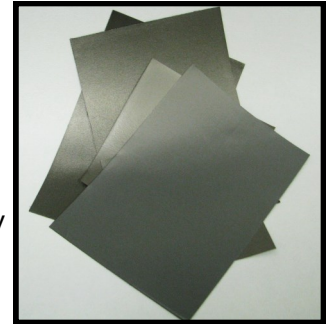




# Low Frequency Absorber

## MR51-0006-00

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", 0.010", 0.020", and 0.040"; 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

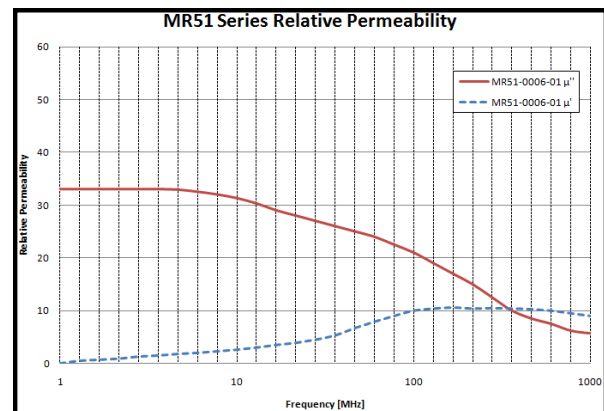
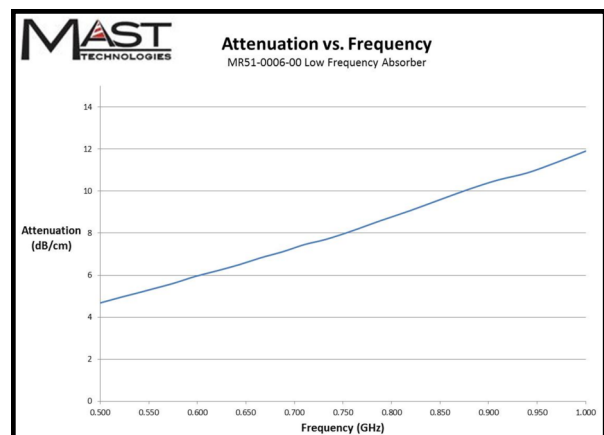
### TYPICAL PROPERTIES

- Thickness: 0.040" (1.0mm)
- 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: MR51-0006-XX

- 00: No PSA backing
- 02: PSA backing
- >02: 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" (564 x 564mm)
- 12" wide rolls available upon request
- Format: Sheets, Die Cut, Kiss Cut Pads

Revision: November 18, 2010

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