HiMAG™ TUNED FREQUENCY ABSORBER

PART#: AB340-0041  THICKNESS: .120”  2.0 GHz

Modus Advanced, Inc. Tuned Frequency Absorber is a magnetically loaded material having high loss at sub-microwave frequencies. Tuned Frequency Absorbers are designed with shaped magnetic particles which exhibit high permeability. The Tuned Frequency Absorber product line is the thinnest of the HiMag™ materials.

APPLICATIONS
• Traveling or Creeping surface wave absorption
• Resonant Cavity Attenuation
• EM Reduction
• Mounted to an IC on a PCB
• Mounted directly on a micro-strip
• High Frequency Interference
• Inside a shielding can.

FEATURES AND 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
• Color: Dark Grey
• Elastomer: Silicone
• Operating Temperature: -60°F to 375°F
• Flame Rating: UL94-V0
• Hardness: Shore A 60-80

AVAILABILITY
• Sheet Size: 24” x 24”
• Sheets, Die Cut, Kiss Cut Pads

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ELECTRICAL PERFORMANCE:
The performance plot shown on the left illustrates the reflection loss performance of this material. Reflection loss is measured on a NRL arch. For more information on the NRL arch test set-up, please contact a Modus™ technical representative. Additional electrical test data may be available upon request.

Reflectivity (dB)

Frequency (GHz)