HiMAG™ TUNED FREQUENCY ABSORBER

PART#: AB340-0208  THICKNESS: .053”  12.5 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

CUSTOMERS ALSO SEARCHED:
- RF Absorbing Material
- Radio Frequency Absorbing Material
- RF Absorbing Foam
- RF Absorber
- Radar Absorbing Material
- Absorber Foam
- RF Absorber Material
- Microwave Absorber Material
- Microwave Absorber
- Radar Absorber
- Radar Absorbant Material
- Absorbing Foam
- EMI Absorbing Material
- Wave Attenuation Devices
- Magnetic Foam Sheets
- Radar Absorbing Materials
- RF Attenuation
- Radar Absorbing Material

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.

Customers also searched:
- Reflectivity (dB)
- Reflectivity Performance

Reflectivity Performance:

Frequency (GHz)

2 4 6 8 10 12 14 16 18

-25 -20 -15 -10 -5 0

MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION

1. IDEA
You design the perfect part

2. ENGINEERING
You specify the best material

3. SOLUTION
We strategically plan

4. IGNITION
We produce and deliver

PICK A MATERIAL
LET MODUS CUT IT TO SIZE

ABOUT MODUS

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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