

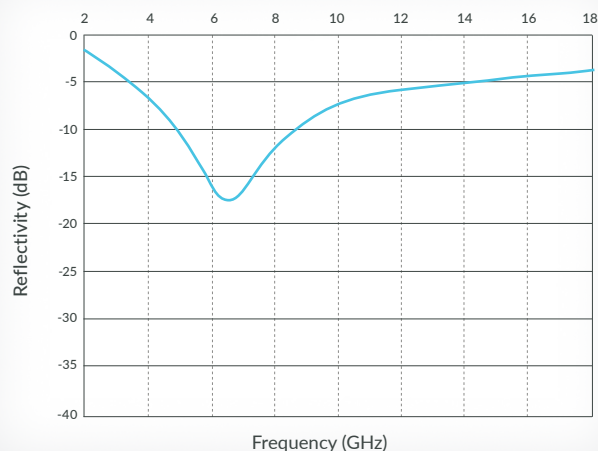
HiMAGTM SURFACE WAVE ABSORBER

PART#: AB340-0071 THICKNESS: .050" 5-8 GHz

Modus Advanced, Inc. Surface Wave Absorber is a thin, very highly loaded material, having high loss at microwave frequencies, while maintaining the desirable characteristics of elastomeric binders. Surface Wave Absorbers are the most heavily magnetically loaded absorber, designed to exhibit the highest loss, and intended to be applied to metal surfaces for traveling or surface wave attenuation.

The standard elastomer for this product series is silicone. Other elastomer formulations are available which may be better suited for specific environmental conditions.

REFLECTIVITY PERFORMANCE



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 ModusTM technical representative. Additional electrical test data may be available upon request.

CUSTOMERS ALSO SEARCHED:

| | | |
|------------------------------------|-------------------------------|---------------------------|
| RF Absorbing Material | RF Absorbers | Radar Absorbant Material |
| Radio Frequency Absorbing Material | Radio Frequency Absorption | Absorbing Foam |
| RF Absorbing Foam | Microwave Absorbing Materials | EMI Absorbing Material |
| RF Absorber | Absorbing Material | Wave Attenuation Devices |
| Radar Absorbing Material | RF Materials | Magnetic Foam Sheets |
| Absorber Foam | Microwave Absorbing Material | Radar Absorbing Materials |
| RF Absorber Material | Microwave Absorber | RF Attenuation |
| Microwave Absorber Material | Radar Absorber | Radar Absorbing Material |

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

- Sheet Size: 24" x 24"
- Color: Dark Grey
- Elastomer: Silicone
- Operating Temperature: -60°F to 375°F
- Flame Rating: UL94-V0
- Hardness: Shore A 60-80

AVAILABILITY

Without adhesive - Part # **AB340-0071**

With adhesive - Part # **AB340-0071-AD**

- Sheets, Die Cut, Kiss Cut Pads

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

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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