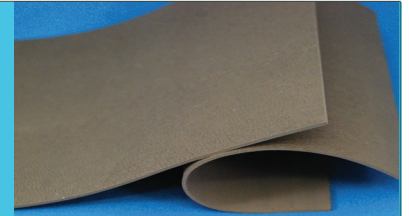


HiMAGTM SERIES SURFACE WAVE ABSORBER



Modus Advanced, Inc. Surface Wave Absorber products are thin, very highly loaded sheet stock, 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. Surface Wave Absorbers attenuate traveling wave energy at frequencies from 1GHz to 20 GHz. The standard elastomer for this product series is silicone. Other elastomer formulations are available which may be better suited for specific environmental conditions.

The primary method of application for Surface Wave Absorbers is utilizing a Pressure Sensitive Adhesive (PSA) backing. Other liquid and paste adhesives may be recommended. Please contact a Modus technical representative for more information pertaining to your specific needs.

APPLICATIONS

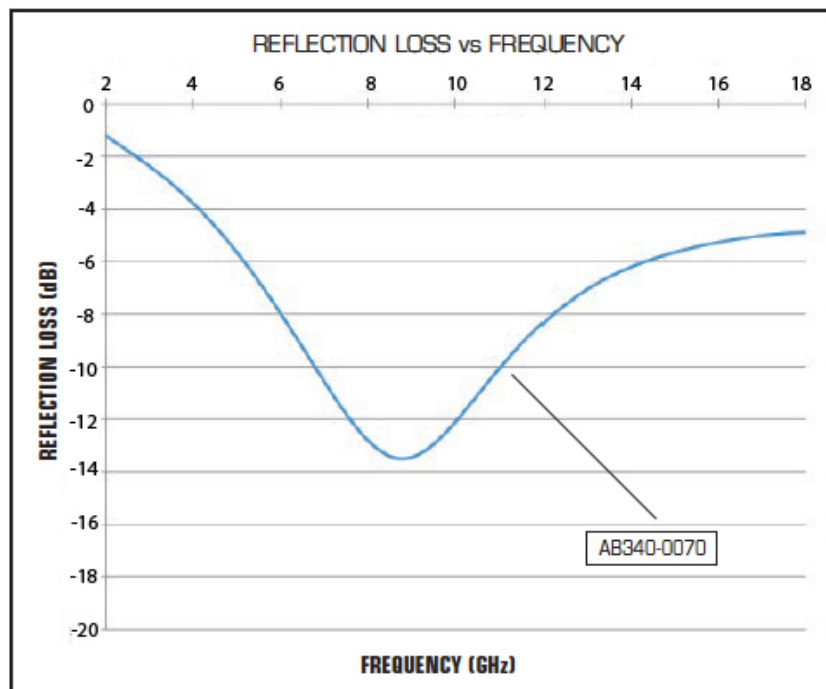
- Traveling or creeping surface wave absorption
- Resonant cavity attenuation
- EM reduction
- Mounted to an IC on a PCB
- Mounted directly on a microstrip
- High frequency interference
- Inside a shielding can

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

HiMAGTM SERIES SURFACE WAVE ABSORBER

.040" THICK SURFACE WAVE ABSORBER PERFORMANCE



ELECTRICAL PERFORMANCE: The performance plot shown above 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.

TYPICAL PROPERTIES

- Thickness Range: .01" to .18"
- Color: Dark Grey
- Elastomer: Silicone
- Operating Temperature: -60°F to 375°F
- Flame Rating: UL94-V0
- Hardness: Shore A 60-80

AVAILABILITY:

- Standard Sheet Sizes:
 - 20" x 20" (564 x 564mm)
 - 24" x 24" (769 x 769mm)
- Format: Sheets, Die Cut, Kiss Cut Pads

CUSTOMERS ALSO SEARCHED:

Silicone	UL 94 V-0
Silicone sponge	Water sealing
Silicone gaskets	RoHS gasket
Silicone sponge gasket	LED gasket
Silicone foam	Conductive gasket
Silicone gasket	Die cut gasket
Microcellular urethane	Die cut seal
Urethane foam gaskets	Rubber gasket
Cellular urethane	EMI shielding rubber
LCD gaskets	Conductive rubber
Low outgassing	Form in place
UL 94 HBF gasket	LED gasket

MODUS ADVANCED TAKES
YOU FROM IDEA TO IGNITION



IDEA



ENGINEERING



SOLUTION



IGNITION



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.

This information is based on data believed to be reliable, but Modus makes no warranties, expressed or implied, as to its accuracy and assumes no liability arising out of its use. The data listed falls within the normal range of product properties, but should not be used to establish specification limits or used alone as the basis of design. Modus' liability to purchasers is expressly limited to the terms and conditions of sales listed on our website.