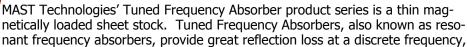
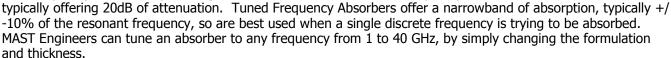




# **Tuned Frequency Absorber**

# MR12-0014-00







Ship MASTs

Specular return (RCS)

Discrete frequency absorption

Antenna isolation & patterning

Aircraft seals

Aircraft ducts

Instrument housings

#### **FEATURES & BENEFITS**

Tough material can survive outdoor exposure

Very thin for compact locations

Flexible elastomeric material will not crack

Narrow frequency range

**RoHS Compliant** 

Halogen Free

# **TYPICAL PROPERTIES**

Frequency: 14.0 GHz

Thickness: 0.047" (1.2mm)

Adhesive Thickness: 0.005" (0.05mm)

Color: Dark Grey Elastomer: Nitrile

Operating Temperature: -60°F to 300°F

Flammability Rating: Not Rated

Hardness: Shore A 60-80

PART NUMBERING: MR12-0014-XX

ART HOPIDERING: PIRTE 0011700

00: No PSA backing01: PSA backing

>10: Die Cut

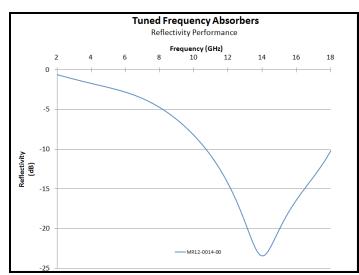
Suite 103 San Diego, CA 92121 U.S.A.

6370 Nancy Ridge Dr.

**MAST Technologies** 

**ELECTRICAL PERFORMANCE** 

This performance plot illustrates the reflection loss performance of this material. Reflection loss is measured on an NRL arch, for more information on the NRL arch test set-up, please refer to Tech Bulletin 101. Additional electrical test data may be available upon request.



### **METHOD OF APPLICATION**

The primary method of application for Tuned Frequency Absorbers is utilizing a Pressure Sensitive Adhesive (PSA) backing. MAST proudly uses 3M transfer tapes on it's Tuned Frequency Absorbers. Contact MAST technical representatives for a datasheet on the PSA.

Other liquid and paste adhesives may be recommended. Contact a MAST technical representative for more information.

#### **AVAILABILITY**

Standard Sheet Sizes: 20" x 20" (564 x 564mm)

24" x 24" (769 x 769 mm)

Format: Sheets, Die Cut, Kiss Cut Pads

Revision: November 11, 2010

tel+ 1.858.452.1700

All information on this data sheet is based on laboratory testing and is not intended for design purposes. MAST Technologies makes no representations or warranties of any kind concerning this data. For part number quality assurance specifications, please contact a MAST Technologies technical representative.