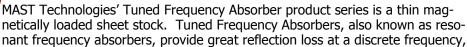
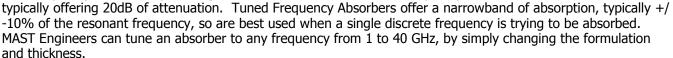




# **Tuned Frequency Absorber**

## MR12-0012-00







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: 12.0 GHz

Thickness: 0.056" (1.4mm)

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

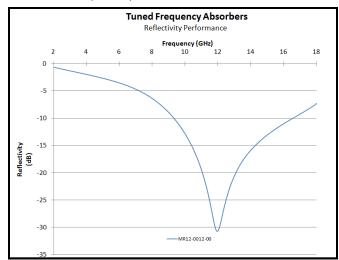
PART NUMBERING: MR12-0012-XX

01: PSA backing

00: No PSA backing **MAST Technologies** 6370 Nancy Ridge Dr. Suite 103 >10: Die Cut San Diego, CA 92121

# **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

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