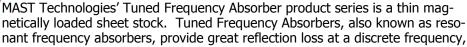
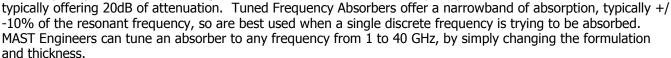




# **Tuned Frequency Absorber**

# MR12-0009-00







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: 9.0 GHz

Thickness: 0.072" (1.8mm)

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: MR12-0009-XX

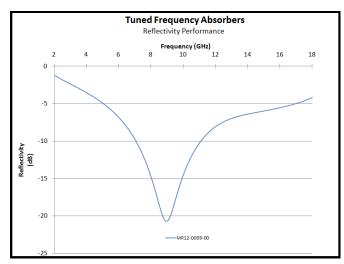
00: No PSA backing

01: PSA backing

>10: Die Cut

## **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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