

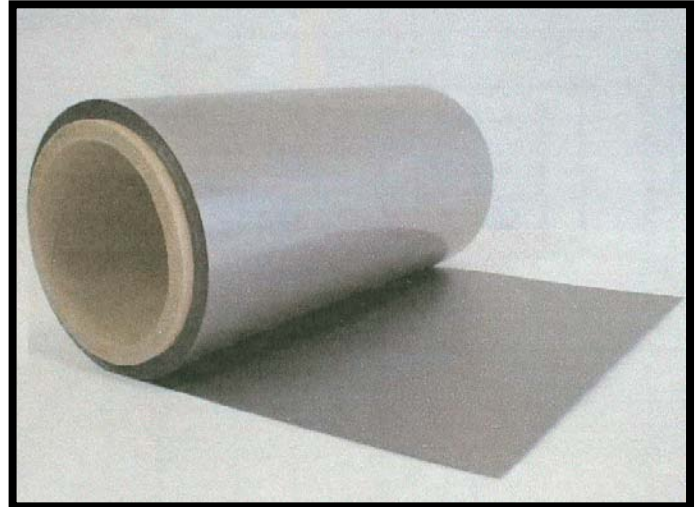
## Microwave Absorber Materials (6500 Series) 6501 broadband 100 MHz to 6 GHz Materials

### Product Summary

These three soft, flexible, sheet or roll products are RoHS-compliant materials that absorb RF from 100 MHz to 6.0 GHz. The products are available with adhesive and release liners.

### Product Application

These sheets are used in a wide variety of near-field absorbing functions in almost any handheld or chassis electronics application requiring spot control of RFI. All materials have an adhesive with a release liner and are available in sheets of 8.25 in. (210mm) square or rolls 65' (20M) long. These absorbers eliminate unwanted RF energy at the source to prevent re-radiation and reflections when used in enclosures. They will suppress harmonics of any order.



The three materials are broadband absorbers that perform well in the range of 100MHz to 6GHz. The primary differences between these materials are thickness and transmission loss; see product technical data below.

These materials are non-conductive. They can be die-cut or hand-cut to any shape may also be cut to "patch" sizes for instant localized RF suppression of 1-3dB.

### Product Technical Data

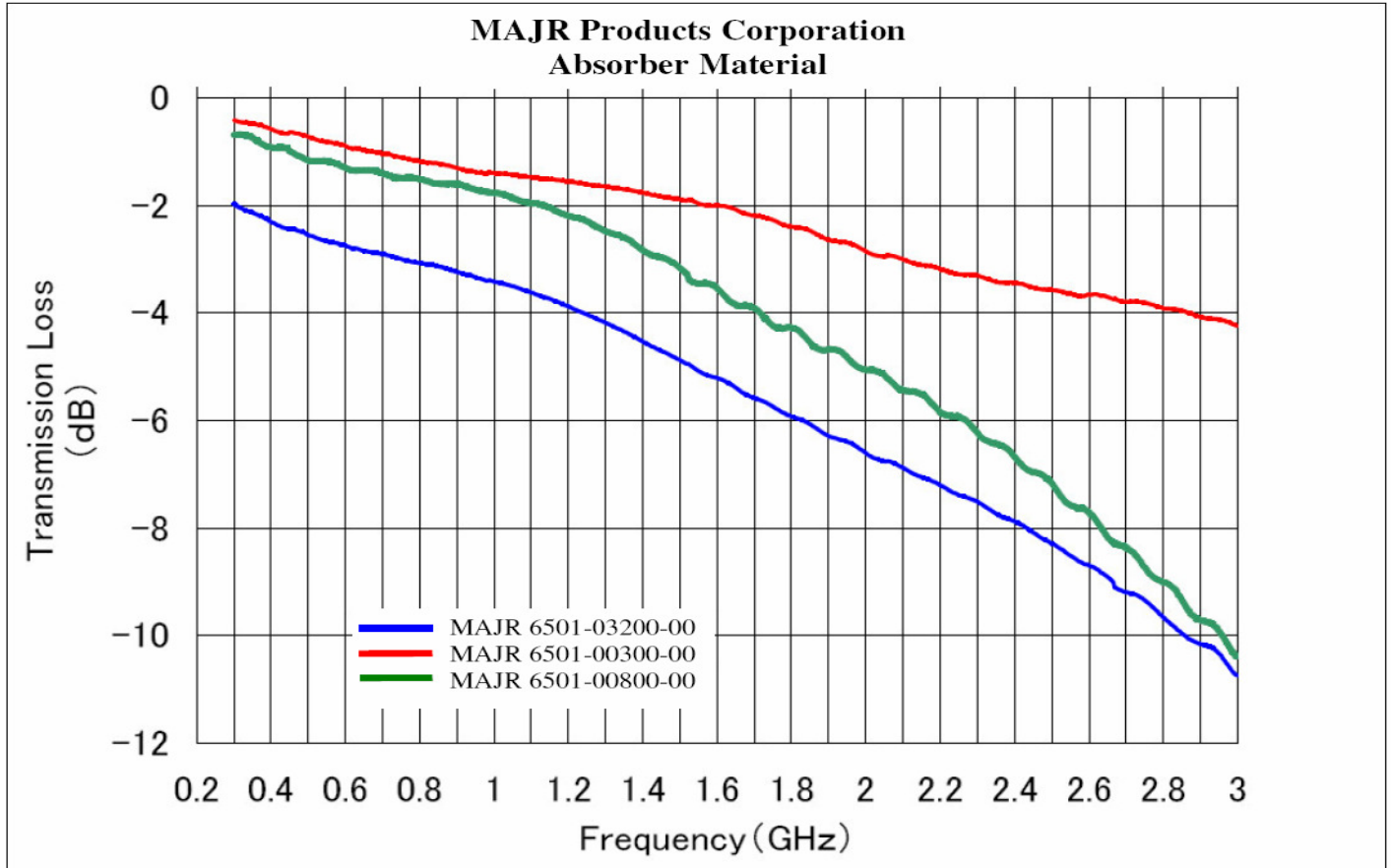
Attenuation Data: (See attached Transmission loss vs. Frequency Curve)

MAJR 6501-Series Flexible RF Absorber Materials are available from Distribution stock.

Material Characteristics for P/N 6501-03200-00,6501-00300-00, 6501-00800-00	Measure
Frequency Range	100 MHz – 6 GHz
Peak Frequency	6 GHz
Temperature Range	-4°F to 212°F (-20°C to 100°C) (10°C to 200°C Special Order)
Flammability Rating	UL94-HB (V0 Special Order)
Adhesive: standard temperature	0°F to 181°F (-18°C to 83°C) ASTM D-3575
High temperature (Special Order)	50°F to 392°F (10°C to 200°C) ASTM D-3575
Tack	8.4 p.s.i. (stainless steel standard) ASTM D-3575 8.3 p.s.i. (stainless steel high temperature) ASTM D-3575
Shear	300+ hrs. @ 2 p.s.i. @ 72°F (22°C) ASTM D-3575
Dimensions: Standard	8.25 in. W x 8.25 in. L x 0.004 in. thk. max. (210,0mm x 210,0mm x 0,10mm)
Maximum	3'-0 in. W x 65'-0 in. L x 0.004 in. thk. max. (1,0M x 20,0 M x 0,10mm)

Part No.	Width	Length	Thickness	Frequency Range
6501-03200-00	8.25 in. (210mm)	8.25 in. (210mm)	0.005 in. (0,13mm)	200 MHz to 6 GHz
6501-00300-00	8.25 in. (210mm)	8.25 in. (210mm)	0.007 in. (0,18mm)	100 MHz to 3 GHz
6501-00800-00	8.25 in. (210mm)	8.25 in. (210mm)	0.014 in. (0,36mm)	100 MHz to 3 GHz

## Microwave Absorber Materials (6500 Series) 6501 broadband 100 MHz to 6 GHz Materials (Cont.)



**HUBZONE** Certified and Veteran Owned Manufacturer  
**MAJR** Products Corporation  
17540 State Highway 198  
Saegertown, PA 16433  
PH: (814) 763-3211 FX: (814) 763-2952  
[www.majr.com](http://www.majr.com) email: [sales@majr.com](mailto:sales@majr.com)