

M6504 High Frequency Broadband Absorber Material

Product Summary

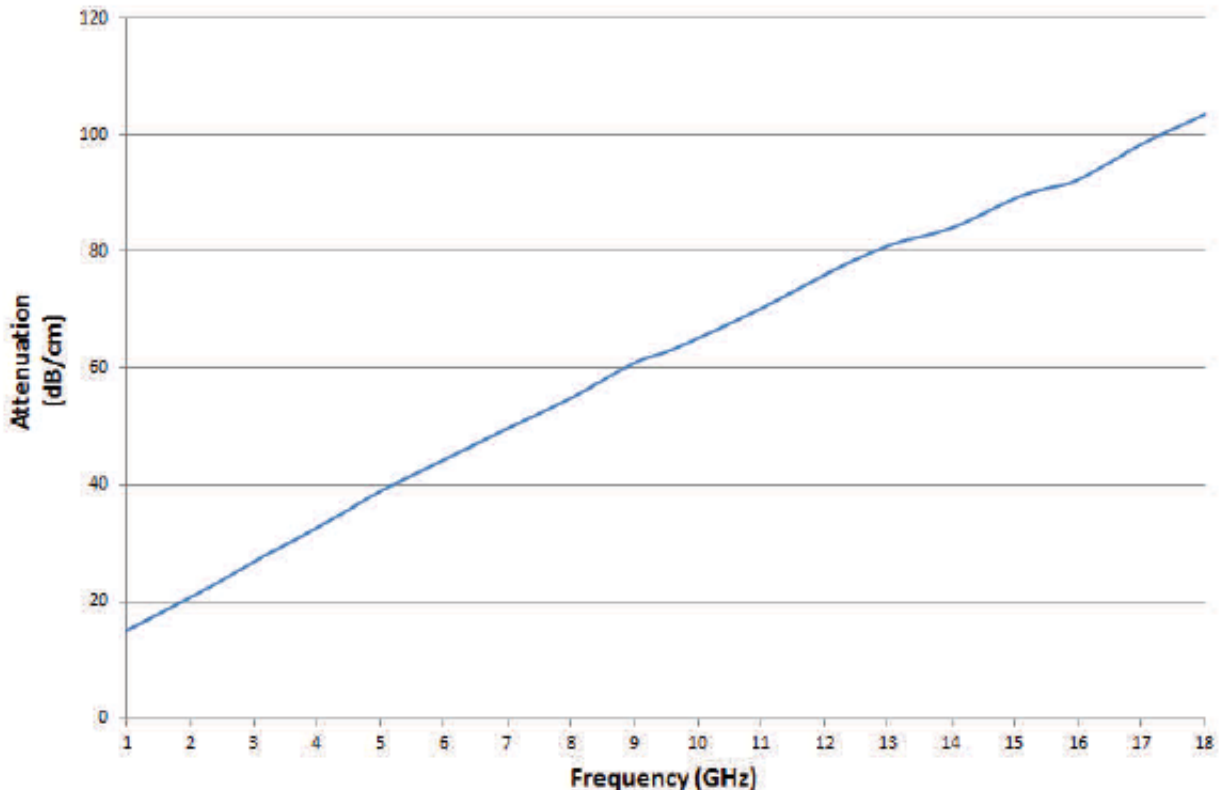
M6504 high frequency microwave absorber material performs in a range from 1 GHz to 20 GHz and is non-conductive, corrosion resistant, UL-94VO rated and Ro HS Compliant. Available with or without an adhesive.

Product Application

The 6504 high frequency material is a thin, highly resistive absorber. This magnetically loaded material reduces reflections and damps electronic cavity resonances, thus reducing EMI emissions and crosstalk in electronic devices within a frequency range of 1 GHz to 20 GHz. It is also effective in reducing antenna side lobes and back reflections. This broadband absorber exhibits a UL94-V0 flammability rating, can survive outdoor exposure, and has a working temperature range of -60 deg. F to 375 deg. F. Available in sheets or die-cut into a specific shape (with or without adhesive, on one or both sides).



Technical Specifications



Technical Specifications (cont.)

Operating Temperature: -60 deg. F to 375 deg. F

Flammability Rating: UL94-V0

Hardness: Shore A 60-80

Thickness: 0.040 in. (1.0mm)

Adhesive Thickness: 0.002 in. (0.05mm)

Color: Dark Gray

Part Number:

M6504-0402424-1G/20G-26-01

Legend:

M6504	(RF Absorber)
*0402424	(T x L x W)
1M/20G	(1 MHz to 20 GHz)
26	(silicone material)
01	(adhesive one side, 02 for both sides, or 00 for no adhesive)

Availability

Standard Sheet Sizes:

12 in. x 12 in. (305 x 305 mm)

24 in. x 24 in. (610 x 610 mm)

Rolls: 12 in. wide available upon request

Format: Die Cut, Sheets, Kiss Cut pads

** if a specific shape is needed, the last four numbers (2424) become letters for quoting; when ordering the letters become a specific customer assigned number.*

Application: A method for application of surface wave absorbers is to utilize pressure sensitive tape (PSA) on the back of the absorber. If mounting on a non-conductive surface a metal tape backing can be applied upon request to increase absorption effectiveness of the absorber.

Because we cannot foresee or control varied conditions under which this information and our materials may be used, we do not guarantee the applicability or accuracy of this information or the suitability of our materials for their specific purposes. This material is provided without warranty, either expressed or implied, of fitness for a specific purpose or nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents.

M6504 High Frequency
Broadband Absorber Material

