

## M6504 High Frequency Microwave Absorber Material

### Product Summary

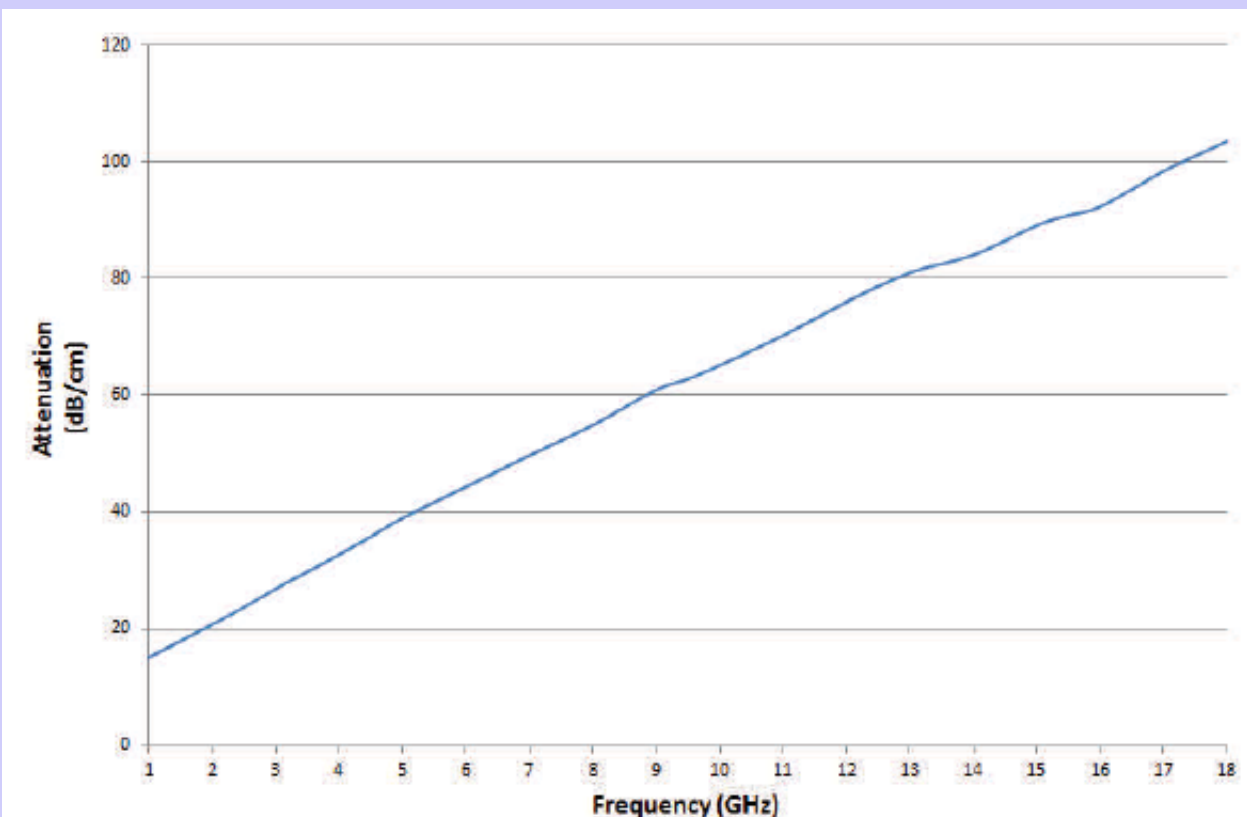
M6504 high frequency microwave absorber material performs in a range from 1 GHz to 20 GHz and is non-conductive, corrosion resistant, UL-94VO rated and RoHS Compliant. Available with or without an adhesive.

### 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

### 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

**Part Number Example:**

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

**Legend:**

M6504 (RF Absorber)

0402424 (T x L x W)

1G/20G (1 GHz to 20 GHz)

26 (silicone material)

01 (adhesive one side, 02 for both sides, or 00 for no adhesive)

*\* 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.

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