

M6504 Low Frequency Microwave Absorber Material

Product Summary

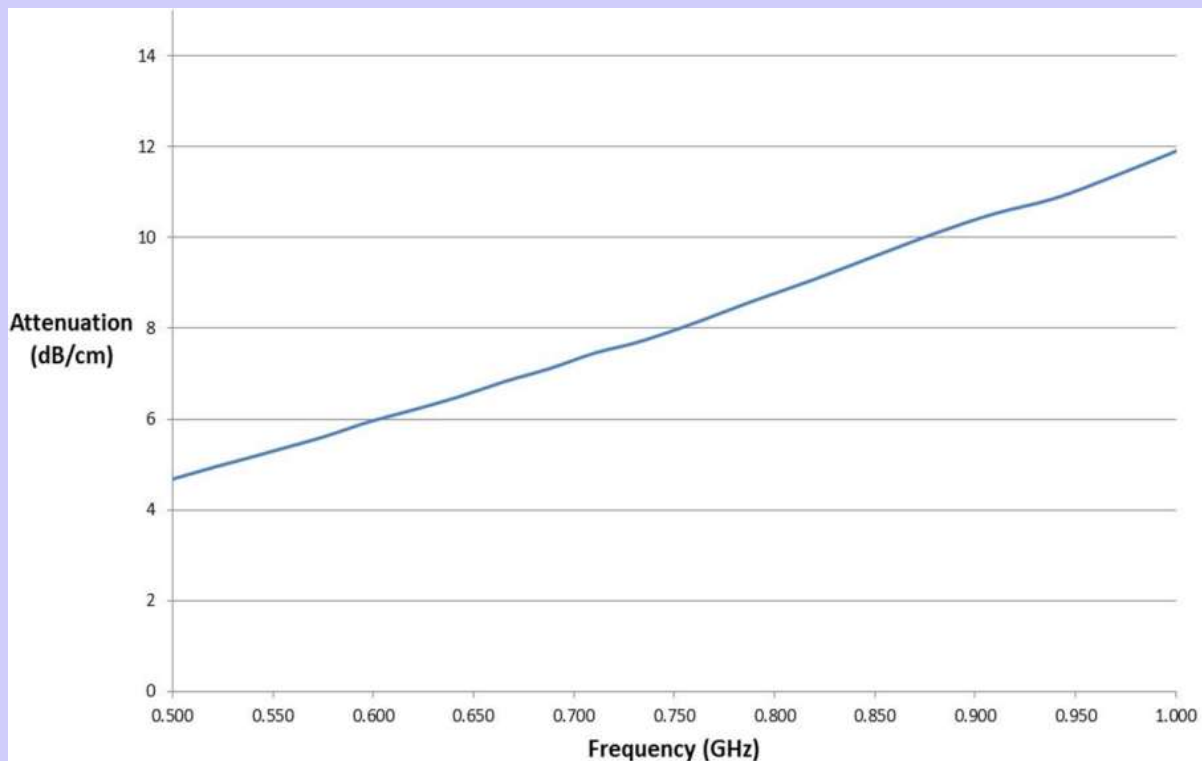
M6504 low frequency microwave absorber material performs in a range from 1 MHz to 3 GHz and is non-conductive, corrosion resistant, UL-94VO rated and RoHS Compliant. Available with or without an adhesive.

Product Application

The 6504 material is a thin, low frequency 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 MHz to 3 GHz. It is also effective in reducing antenna side lobes and back reflections. This low frequency 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



Attenuation vs. Frequency

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 24 in.

Rolls: 12 in. wide available upon request

Format: Die Cut, Sheets, Kiss Cut pads

Part Number Example:

M6504-082412-1M/3G-26-01

Legend:

M6504 (Low Frequency Absorber)

042412 (T x L x W)

1M/3G (1 MHz to 3 GHz)

26 (silicone material)

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

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.

Veteran Owned, ISO-2001 Registered Manufacturer

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