

RAM-LF001 Low Frequency Microwave Absorber Material**Product overview**

Shielding Solutions Low Frequency Absorbers are a magnetically loaded sheet stock having high loss at sub-microwave frequencies. Low Frequency Absorbers are designed with shaped magnetic particles which exhibit high permeability at frequencies from 1 MHz to 3 GHz. The Low Frequency Absorber product line is the thinnest of the RAM products, with standard thicknesses of 0.15mm and 0.5mm, other thicknesses and configurations are available.

Properties

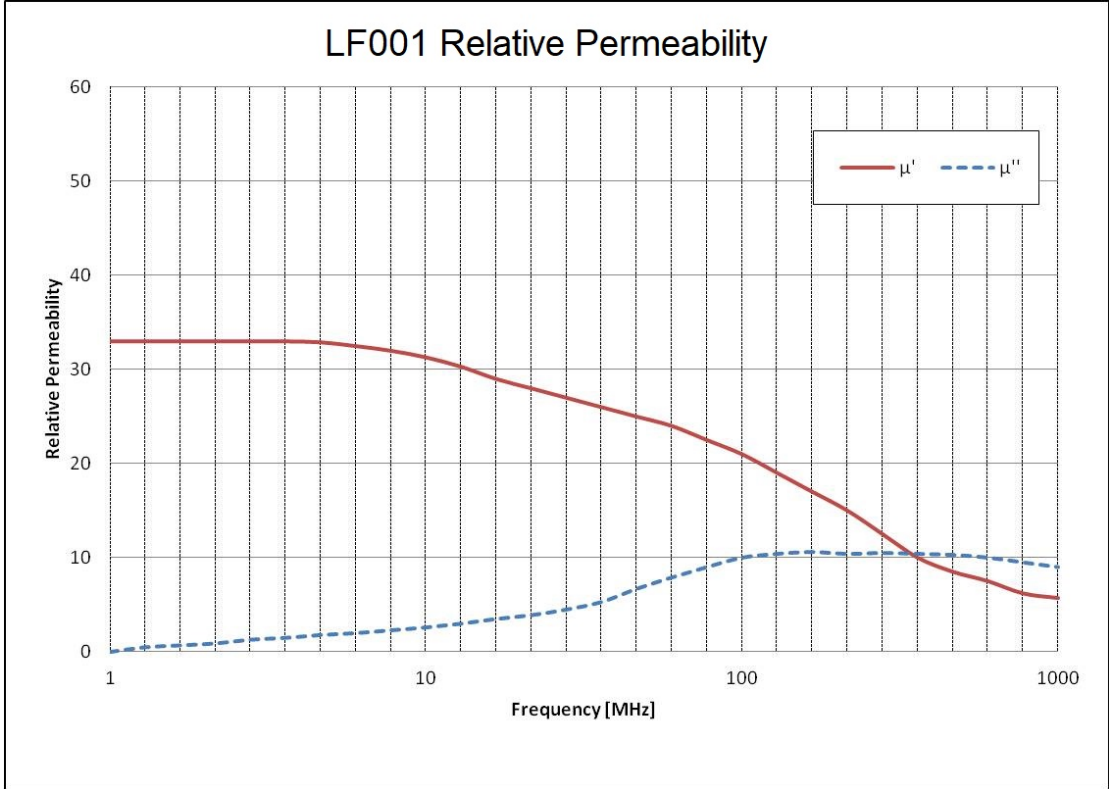
Hardness - Shore A	60 - 80
Flammability Rating (Halogen Free)	UL94-V0
Elastomer	Silicone
Operating Temperature (°C)	-50 to 190
Colour	Dark Grey

Availability

- Standard sheets are 308 x 512mm (12"x20") with or without PSA
- 300mm wide on the roll available
- Thickness varies depending on frequency desired.
- The material can also be supplied in customized shapes.

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Shielding Effectiveness



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Typical Applications

- Traveling, creeping, surface wave absorption
- Resonant Cavity Attenuation
- EMI Reduction
- Mounted to an IC on a PCB
- Mounted directly on a microstrip
- High Frequency Interference
- Inside a shielding can

Shielding Solutions Ltd
410 Avenue West
Skyline 120
Great Notley
Essex
CM77 7AA

Tel: 01376 330033

Fax:01376 339163

Web: www.shielding-solutions.com