



## RF Absorbers

Flexible and thin magnetically loaded rubber absorbers:

### *MR1 Tuned Frequency Absorbers*

Tuned Frequency Absorbers, or resonant frequency absorbers, provide great reflection loss at a discrete frequency, typically offering 20dB of attenuation. Tuned frequency absorbers offer narrowband absorption from 1 to 40 GHz.

### *MR2 Cavity Resonance Absorbers*

Cavity Resonance Absorbers are designed to exhibit high loss within a microwave cavity. The absorber will in effect lower the Q factor of the cavity by attenuating cavity oscillations, resonant frequencies, or harmonics. Cavity Resonant Absorbers attenuate energy at normal and high angles of incidence at frequencies from 1 to 20 GHz.



### *MR3 Surface Wave Absorbers*

Surface Wave Absorbers are the most heavily magnetically loaded elastomeric absorber. Surface Wave absorbers are designed to exhibit the highest loss and are intended to be applied to a conductive or metal surface for traveling or surface wave attenuation. Surface Wave Absorbers attenuate traveling or surface wave energy from 1 to 20 GHz.

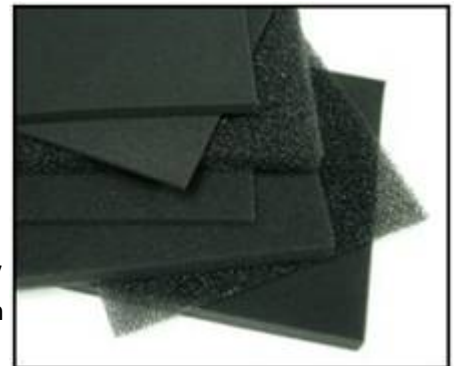
### *MR5 Low Frequency Absorbers*

Low Frequency Absorbers provide 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.

Flexible dielectric foam absorbers:

### *MF1 Reticulated Foam Absorbers*

Reticulated Foam Absorbers are very lightweight conductive carbon loaded sheet absorbers which provide high levels of loss at normal and off normal angles of incidence. Reticulated Foam Absorbers are manufactured with a continuous gradient coating, which produces broadband reflection loss performance from 1 to 20 GHz.



### *MF2 Lossy Foam Absorbers*

Lossy Foam Absorbers are a lightweight, low cost carbon loaded sheet stock. Lossy Foam Absorbers are manufactured with a constant coating to exhibit high insertion loss from 1 to 20 GHz.

### *MF3 Convoluted Foam Absorbers*

Convoluted Foam Absorbers are lightweight carbon loaded sheet, which have the geometric shape similar to an “egg crate.” The cones product high levels of reflection loss from 1 to 20 GHz.