Membrane Type Acoustic Metamaterials


Transmission minimum when the areal average displacement is zero

Light Weight Broadband Shield from 50 to 1500 Hz

Transmission Loss (dB)

Frequency (Hz)

Ave. = 45.1 dB

Source

Detector

Sample

Detectors

Transmission minimum when the areal average displacement is zero

Weight

Rubber Sheet

Rigid Frame

Transmission Loss (dB)

Frequency (Hz)