

Convolved Absorbers - AEC Series



AEC-3

SOLUTION FOR

- RCS Chambers
- High Frequency Test Chambers

Main features

- High Reflectivity Performance
- Low Forward Scattering Characteristics

Product configuration

Shape

- Convoluted

Frequency band

- From 3 GHz to 40 GHz and higher

Standard base size

- 2' x 2' (60.96 cm x 60.96 cm)

Height

- 1.5" to 4" (3.8 cm to 10.2 cm)

Operating conditions

- Temperature: 70°F +/-5° (21°C +/-3°)
- Relative humidity: 55% RH +/-15%

Indoor/outdoor

- Indoor

Description

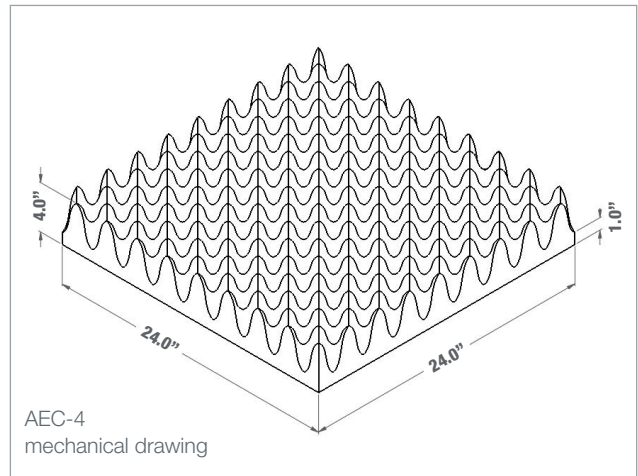
AEMI offers Broadband Convolved absorbers that are manufactured from lightweight urethane foam impregnated with a dielectric material. The front surface is rippled, providing a good match to the impinging wavefront. The coating of these absorbers does not affect the RF performances.

Exceptional absorption characteristics

The convoluted design, when properly loaded, exhibits exceptional absorption characteristics in the millimeter range, especially at wide angles of incidence. The convoluted material has properties desirable for applications requiring high reflectivity performance in conjunction with low forward scattering characteristics.



Increase durability & lifespan by adding our rubberized coating!



ORDERING CODE

• AEC-XX, where XX designates absorber height in inches

Specifications

		AEC-1.5	AEC-3	AEC-4
Height	in	1.5	3.0	4.0
	cm	3.8	7.6	10.2
Absorption @ Normal Incidence	@ 3.0 GHz		20	25
	@ 6.0 GHz	20	20	30
	@ 10.0 GHz	30	30	40
	@ 15.0 GHz	35	35	45
	@ 18.0 GHz	35	35	45
	@ 40.0 GHz	45	45	50
Weight	lbs/pc.	1	2	2.75
	kg/pc.	0.5	1	1.2



Contact your local sales representative for more information
www.mvg-world.com/absorbers
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