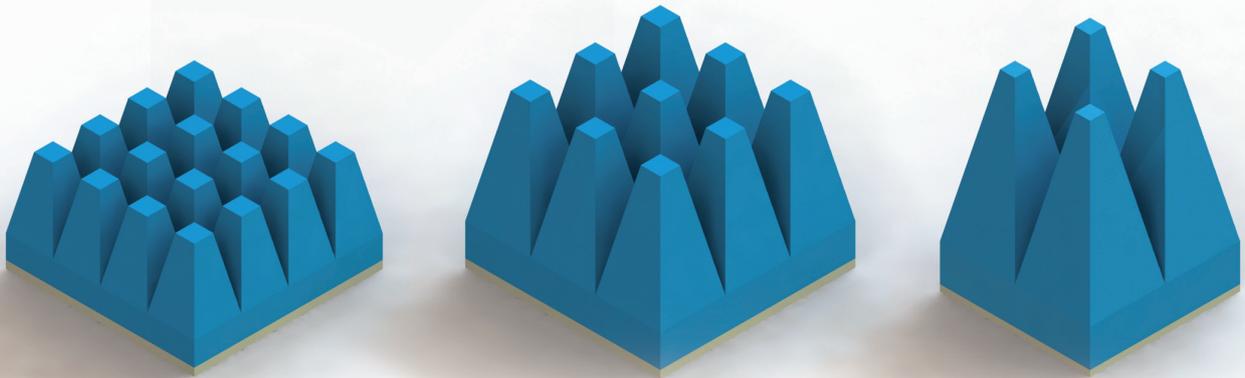


# EMC Absorbers

## AEPH TRN Series



- Super broadband reflectivity performance
- Flame resistant & fire retardant

### SOLUTION FOR

- EMC/EMI chambers
- Mixed-use test facilities
- Pre-compliance & full compliance testing

### Main features

#### Shape

- Truncated pyramid

#### Frequency bands

- From 20 MHz to 40 GHz

#### Standard base size

- 1.97' x 1.97' (60 x 60 cm)

#### Height

- 12" to 30" (30.5 cm to 152.4 cm)

#### Operating conditions

- Temperature: 70° F +/- 10° (21° C +/- 3°)
- Relative humidity: 55 % RH +/- 15 %

#### Indoor/outdoor

- Indoor

#### Treatment

- Custom carbon-loaded top with no-load spacer specifically designed for use with ferrite tiles

#### Related certifications

- ANSI C63.4 (2000)
- IEC/EN 61000-4-3
- NRL 8093 – 1, 2, 3
- CISPR 16, 22
- MIL-STD 461/462

MVG-EMC offers a full array of high-performance/low-cost absorber materials specifically designed to meet the increased performance demands of today's EMC testing requirements. The HyPyr-Loss™ product line includes absorbers that satisfy all of today's EMC applications. Whether your testing regiment requires radiated immunity, emissions or a combination, ask our design engineers to help you select the right absorber for your application.

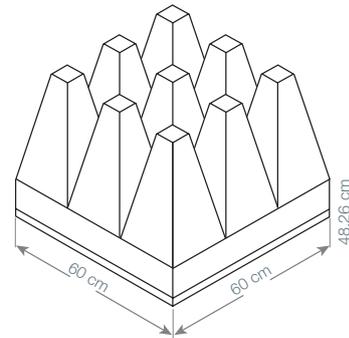


### Ferrite Hybrid Technology

Ferrite absorbers offer good performance from 30 MHz to 600 MHz, while traditional dielectric foam absorbers deliver performance satisfaction above 500 MHz. The combination of these individual materials can yield precarious results if the selected materials have mismatched impedance characteristics. With proper impedance matching, these two materials can be joined to create a hybrid absorber structure that benefits from the inherent performance characteristics of each of the individual materials. The AEPH series of EMC absorbers incorporates a urethane pyramidal absorber structure which can be precision matched to any brand of tuned ferrite tile absorber. The resulting product delivers Super-Broadband reflectivity performance from 20 MHz to 40 GHz!

### Ordering code

AEPH-xx TRN, where XX designates absorber height in inches



AEPH-18 TRN mechanical drawing

### Specifications

		AEPH-12 TRN	AEPH-18 TRN	AEPH-30 TRN
Height	cm	33.02	48.26	78.74
Absorption @ Normal Incidence	@ 30 MHz	14	15	16
	@ 125 MHz	25	25	25
	@ 250 MHz	20	22	25
	@ 500 MHz	24	24	24
	@ 1 GHz	16	17	21
	@ 3 GHz	15	20	25
	@ 10 GHz	25	30	40
	@ 18 GHz	> 35	> 40	> 45
Power	kW/m <sup>2</sup>	1.5	1.5	1.5
Weight	kg	3.1	3.7	4.6
Fire retardancy		NRL 8093 Test, 1,2 and 3, ISO 11925-2, DIN 4102 Class B2		



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Contact your local sales representative for more information

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