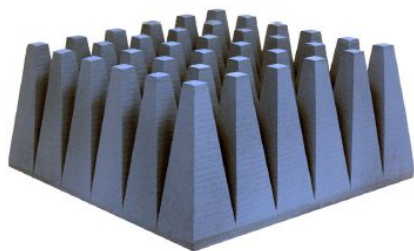


FERROSORB FS EMC ABSORBER FS-300 FerroSorb™ EMC Absorber

ETS-Lindgren's FerroSorb™ FS-300 EMC Absorber is part of the FS Family of hybrid (ferrite tile and carbon loaded material) absorbers from ETS-Lindgren.



ETS-Lindgren's FerroSorb FS-300 EMC Absorber is part of the FS Family of hybrid (ferrite tile and carbon loaded material) absorbers from ETS-Lindgren. The FAA-300 loaded foam portion is designed to match the impedance of ETS-Lindgren's FT-1500 Ferrite Tile panels. When combined, these two absorber technologies become the FS-300 absorber system.

Key Features

- 30 MHz to 40 GHz Frequency Range
- Small Profile
- For Use with Ferrite Tile Backing
- Up to 775 W/m^2 (0.5 W/in^2) CW Power Handling
- Fire Retardant

Features

Frequency Range

Model FS-300 absorber has a very broad band range of 30 MHz to 40 GHz, meeting the required range for MIL-STD 461 and CISPR 25 and providing enough absorption for use in the floor treatment for immunity measurements per IEC 61000-4-3 and for fully anechoic chambers for above 1 GHz testing per CISPR 16.

Small Profile

Only 30 cm high (11.8 in), this absorber has very low profile, yet it has excellent absorption for the entire range of frequencies. The absorber ships in standard 60 cm x 60 cm (23.6 in x 23.6 in) pieces with 36 truncated pyramids per piece.

Tile Backing

FAA-300 material is designed to provide absorption at low frequencies, provided that it is used with a ferrite tile backing as part of the FS-300 absorber system.

Power Handling

Like other ETS-Lindgren absorbers, the FS-300 can handle up to 775 W/m^2 (0.5 W/in^2) CW power density (540 V/m) in RF and MW frequencies. For periods less than 10 minutes, the absorber can safely handle up to 2650 W/m^2 (1.7 W/in^2) power density (1000 V/m).

Specifications

Electrical Specifications

Frequency Minimum: 30 MHz

Frequency Maximum: 40 GHz

Power Handling (CW):

- 540.0 V/m
- 775.0 W/m²
- 0.5 W/in²

Power Handling (Maximum):

- 1000 V/m
- 2650 W/m²
- 1.7 W/in²

Physical Specifications

Dimensions (O/D) L x W x H: 60 cm x 60 cm x 30 cm (23.6 in x 23.6 in x 11.8 in)

Fire Retardant Ratings:

- NRL 8093 Tests 1, 2 & 3
- MIT MS-8-21
- UL 94
- DIN 4102-B2

Product Charts
