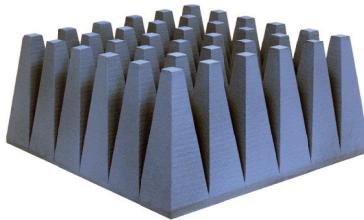


ABSORBER MODEL FS-200



MODEL FS-200

- 30 MHz to 40 GHz Frequency Range
- Small Profile
- For Use with Ferrite Tile Backing
- Up to 775 W/m² (0.5 W/in²)
- CW Power Handling
- Fire Retardant
- FlexSorb™ Available

ETS-Lindgren's FerroSorb™ FS-200 is part of the FS Family of hybrid (ferrite tile and carbon loaded material) absorbers. The FAA-200 loaded foam part is designed to match the impedance of ETS-Lindgrens FT-1500 Ferrite Tile Panel. When combined, these two absorber technologies become the FS-200 absorber system.

Features

Frequency Range

FS-200 has a very broad band range of 30 MHz to 40 GHz, meeting the required range for MIL-STD 461 and CISPR 25.

Small Profile

Only 20 cm high (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

The FAA-200 material is designed to provide absorption at low frequencies provided that it is used with a ferrite tile backing as part of the FS-200 absorber system.

Tested Performance

EHP Series absorber is tested for reflectivity performance using the Naval Research Lab (NRL) broadband swept frequency arch method.

Power Handling

Like other ETS-Lindgren absorbers, the FS-200 can handle up to 775 W/m² (0.5 W/in²) 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/m² (1.7 W/in²) power density (1000 V/m).

Optional FlexSorb Treatment

With FlexSorb, you can enjoy the same excellent performance characteristics as our traditional absorbers, with the advantages of improved durability. FlexSorb is a special absorber treatment that allows an absorber to bend but not break. It's ideal for high traffic areas like chamber doorways and interior walls, or for tests that require an anechoic floor treatment. Since FlexSorb is also non-hygroscopic, its weight does not change in the presence of atmospheric moisture.

Technical Specifications

Electrical

Frequency Maximum	40 GHz
Frequency Minimum	30 MHz
Power Handling (CW)	540.0 V/m; 775.0 W/m ² ; 0.5 W/in ²
Power Handling (Maximum)	1000 V/m; 2650 W/m ² ; 1.7 W/in ²

Physical

Length	60 cm (23.6 in)
Width	60 cm (23.6 in)
Height	23.6 cm (8 in)
Ratings: Fire Retardant	NRL 8093, Tests 1, 2, & 3, MIT MS-8-21, UL 94 & DIN 4102-B2