

FERROSORB FS EMC ABSORBER FS-200 FerroSorb™ EMC Absorber

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Key Features

- 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

Features

Broad Range

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

Low Profile

Only 20 cm high (8.0 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.

Low Frequencies

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.

High Power Density

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).

Specifications

Electrical Specifications

Frequency Maximum: 40 GHz

Frequency Minimum: 30 MHz

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) LxWxH: 60 cm x 60 cm x 20.3 cm (23.6 in x 23.6 in x 8 in)

Ratings: Fire Retardant: NRL 8093 Tests 1, 2 & 3, MIT MS-8-21, UL 94 and DIN 4102-B2

Product Charts
