

ABSORBER MODEL DSH-400H



MODEL DSH-400H

- 30 MHz to >40 GHz Frequency Range
- For MIL-STD-461 and CISPR 25
- Durable Construction, Precision Installation Design
- Non-hygroscopic, Fire Resistant

ETS-Lindgren's DuraSorb™ DSH-400H is the latest evolution of ETS-Lindgren's low profile, hybrid anechoic absorber technology. It combines the advantages of proven FerroSorb performance with the physical properties of our PS Series absorbers. DuraSorb is constructed using substrates consisting of rigid, closed cell foams that are volumetrically and uniformly loaded throughout the absorber. DSH-400H is ideal for MIL-STD-461 and CISPR 25 chambers.

The DSH-400H provides a smooth transition from free space impedance to the lossy ferrite tile base. As a result of its optimized design, high performance is guaranteed, both at lower frequency bands and frequencies above 1 GHz. The absorption levels make DuraSorb ideal for testing to MIL-STD-461 and CISPR 25 standards.

DuraSorb is manufactured by injecting uniformly loaded lossy materials in predetermined geometric shapes to produce the desired performance.

DuraSorb is intrinsically non-hygroscopic due to its closed cell design. Furthermore, DuraSorb is engineered to have outstanding fire resistance. The material is additionally treated with environmentally friendly fire retardants beyond the normal requirements for construction grade foams. DuraSorb material has been tested to meet the requirements of UL 94 HBF, DIN 4102 B2.

DSH-400H is compact in size, with a 45.6 cm (18 in) height, and 60 cm x 60 cm (23.6 in x 23.6 in) footprint wedge shaped pyramids.

Standard Configuration

- DuraSorb Polystyrene Absorber
- Ferrite Substrate

Options

- Polystyrene White Caps

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Technical Specifications

Electrical

Frequency Range	30 MHz to 40 GHz
Power Handling	200 V/m CW
Standards Compliant	MIL-STD 461, CISPR 25

Physical

Width	60.0 cm (23.6 in)
Height ¹	45.6 cm (18.0 in)
Depth	60.0 cm (23.6 in)

¹: Includes Ferrite Tile Base

