ABSORBER MODEL DSH-600H

MODEL DSH-600H

- **30 MHz to > 40 GHz Frequency Range**
- **For MIL-STD-461, ANSI C63.25, CISPR 16 and CISPR 25**
- **Durable Construction, Precision Installation Design**
- **Non-hygroscopic, Fire Resistant**

ETS-Lindgren's DuraSorb™ DSH-600H Absorber is the latest evolution of our hybrid anechoic absorber technology. It combines the advantages of the proven FerroSorb performance with the physical properties of the PS Series absorbers. DuraSorb is constructed using substrates with rigid, closed cell foams, which are loaded volumetrically and uniformly throughout the absorbers. DSH-600H is ideal for 3 m range and 5 m range chambers.

Features

Frequency Range

The DSH-600H 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 not only at the lower frequency band, but also at above 1 GHz. It has a reflectivity better than 17 dB from 60 MHz to 3 GHz, and better than 20 dB at above 4 GHz. At frequencies above 8 GHz, the reflectivity exceeds 35 dB.

Meets Multiple Standards

The absorption levels make DuraSorb ideal for treating semianechoic chambers for 3 m and 5 m range measurements per the CISPR 16 and ANSI C63.25 standards, it also meets the requirements of MIL-STD-461 and CISPR 25 standards.

Durable Construction, Designed for Precision Installation

DuraSorb is manufactured by injecting uniformly loaded lossy materials in predetermined geometric shapes to produce the desired performance. This method assures absorber rows are aligned with geometric precision. DSH-600H is compact in size, with a 60 cm (23.6 in) height, and each 60 cm x 60 cm (23.6 in x 23.6 in) standard piece consists of two wedge shaped pyramids

Non-Hygroscopic, Fire Resistant

DuraSorb is intrinsically nonhygroscopic due to its closed cell design. Furthermore, DuraSorb is engineered to have outstanding fire resistancy. The material is treated additionally with environmentally friendly fire retardants beyond what is normally required for construction grade foams. DuraSorb material has been tested to meet the requirements of UL94 HBF and DIN 4102 B2.

Standard Configuration

- **DuraSorb Polystyrene Absorber**
- **Ferrite Substrate**

Options

- **Polystyrene White Caps**

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Technical Specifications

Electrical	
Frequency Minimum	30 MHz
Frequency Maximum	40 GHz
Power Handling (CW)	200 V/m CW
Physical	
Width	60.0 cm (23.6 in)
Height with White Cap	66.5 cm (26.2 in)
Height without White Cap	62.2 cm (24.5 in)
Length	60.0 cm (23.6 in)
Weight with White Cap	19.05 kg (42 lb)
Weight without White Cap	16.78 kg (37 lb)

Weights Include Ferrite Tile Base