

ABSORBER MODEL DSH-1250H



ETS-Lindgren's DuraSorb™ DSH-1250H Absorber is the latest evolution of ETS-Lindgren's, 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 that are loaded volumetrically and uniformly throughout the absorbers. DSH-1250H is ideal for 10m range chambers.

Features

Frequency Range

The DSH-1250H 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.

Meet Multiple Standards

The absorption levels make DuraSorb ideal for treating semianechoic chambers for 10m range measurements per the CISPR 16 and ANSI C63.25 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.

DSH-1250H measures 125 cm (49.2 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 non-hygroscopic due to its closed cell design. Furthermore, DuraSorb is engineered to have outstanding fire resistance. 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.

MODEL DSH-1250H

- 30 MHz to 40 GHz Frequency Range
- For ANSI C63.25 and CISPR
- Durable Construction, Precision Installation Design
- Non-hygroscopic, Fire Resistant
- Limiting Oxygen Index (LOI) greater than 28
- Includes Ferrite Tile Base

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	133.8 cm (52.7 in)
Height without White Cap	60.0 cm (23.6 in)
Length	60.0 cm (23.6 in)
Weight with White Cap	19.5 kg (43 lb)
Weight without White Cap	16.78 kg (37 lb)

Weights Include Ferrite Tile Base

DSH-1250H Typical Reflectivity

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An ESCO Technologies Company

