

EMC Absorber
DuraSorb[™]
**Polystyrene
Hybrid Absorber**

Model DSH-600H

FEATURES:

- 30 MHz to >40 GHz Frequency Range
- For MIL-STD-461, ANSI C63.4, CISPR 16 and CISPR 25
- Durable Construction, Precision Installation Design
- Non-hygroscopic, Fire Resistant



*ETS-Lindgren's DuraSorb Model DSH-600H
Polystyrene Hybrid Absorber.*

ETS-LINDGREN'S DURASORB DSH-600H ABSORBER is the latest evolution of ETS-Lindgren's low profile, 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 semi-anechoic chambers for 3 m and 5 m range measurements per the CISPR 16 and ANSI C63.4 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. After the

lightweight substrates have been molded, they are shipped disassembled to job-sites for reduced shipping volume. Easily assembled at the site, finished absorbers are pressed and glued into a lightweight polystyrene universal mounting base on the walls and ceiling of the chamber. 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 non-hygroscopic 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
- PS-1001 Polystyrene Universal Mounting Base
- Ferrite Substrate

OPTIONS

- Polystyrene White Caps

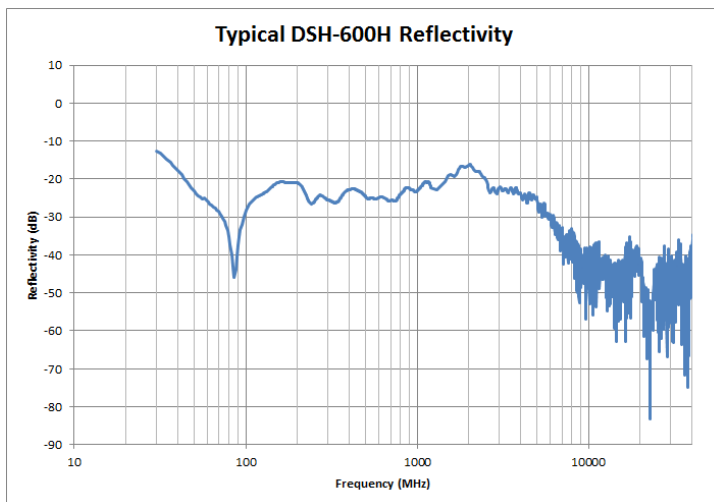
Physical Specifications

MODEL	HEIGHT ¹	WIDTH	DEPTH	WEIGHT ²
DSH-600H	60.0 cm 23.6 in	60.0 cm 23.6 in	60.0 cm 23.6 in	2.7 kg 6.0 lb

¹ Height Includes Ferrite Tile Base

² Weight Does Not Include Ferrite Tile Base

Model DSH-600H Typical Reflectivity



Phone + 1.512.531.6400 • info@ets-lindgren.com • www.ets-lindgren.com
Offices in the US, Brazil, Germany, Finland, UK, France, India, Japan, Singapore, China, Taiwan