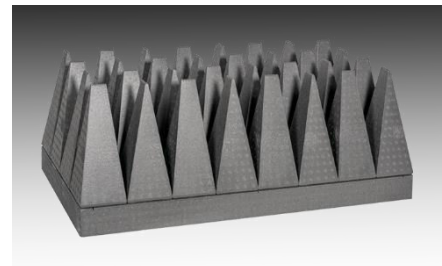
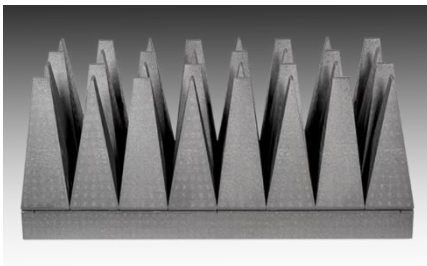


The MT50 absorber is a broadband, closed-cell carbon loaded polystyrene absorber with an operating frequency starting at 80MHz up to 40GHz. The MT50 model is developed for MIL-STD461 applications in semi-anechoic chambers without the need for a matching ferrite tile.

Typical semi-anechoic chambers are lined with a hybrid (cascade) absorber solution consisting of ferrite tiles and absorbing material. DMAS non-hybrid approach for MIL-STD461 testing chambers is reducing your investment significantly because the chamber does not require to be fully lined with expensive ferrite tiles.

DMAS polystyrene absorbers are lightweight and are very easy to handle during installation due to its modular product design containing separate baseplate and tapers. For installation it is recommended to use a mechanical installation, using H-PVC mounting strips and screws, which fits seamless onto the baseplates. Upon customer request the MT50 absorber can be equipped with white end caps for improved illumination and protection of tapers.



Eco-friendly

All DMAS absorbers are 100% environmentally friendly, meaning their chemical composition does not contain poisonous fire-retardant chemicals and is free of toxic smells. Due to the closed-cell polystyrene structure, there is no leakage of carbon particles, which is often seen using traditional foam absorbers in test chambers. All DMAS polystyrene absorbers are compliant with European REACH and RoHS directives.

Features & Benefits

- Closed-cell polystyrene material (no leakage of carbon particles)
- Uniform carbon cell loading resulting in stable performance
- Modular design using baseplate & tapers (damaged tapers are easily replaced)
- Easy installation method using screws and mounting strips (no adhesives required)
- Lightweight product
- Rigidity and superior tensile strength (no drooping absorber tips)
- Resistant to humidity (does not absorb moisture from the air)
- Superior product lifecycle (25-year warranty)
- Environmentally friendly and compliant with REACH and RoHS directives
- Suitable for clean room environments
- Compliant with fire retardancy ISO 11925-2 class E / DIN 4102 class B2 / UL94 HBF
- Can be equipped with protective white end caps for improve illumination (option)

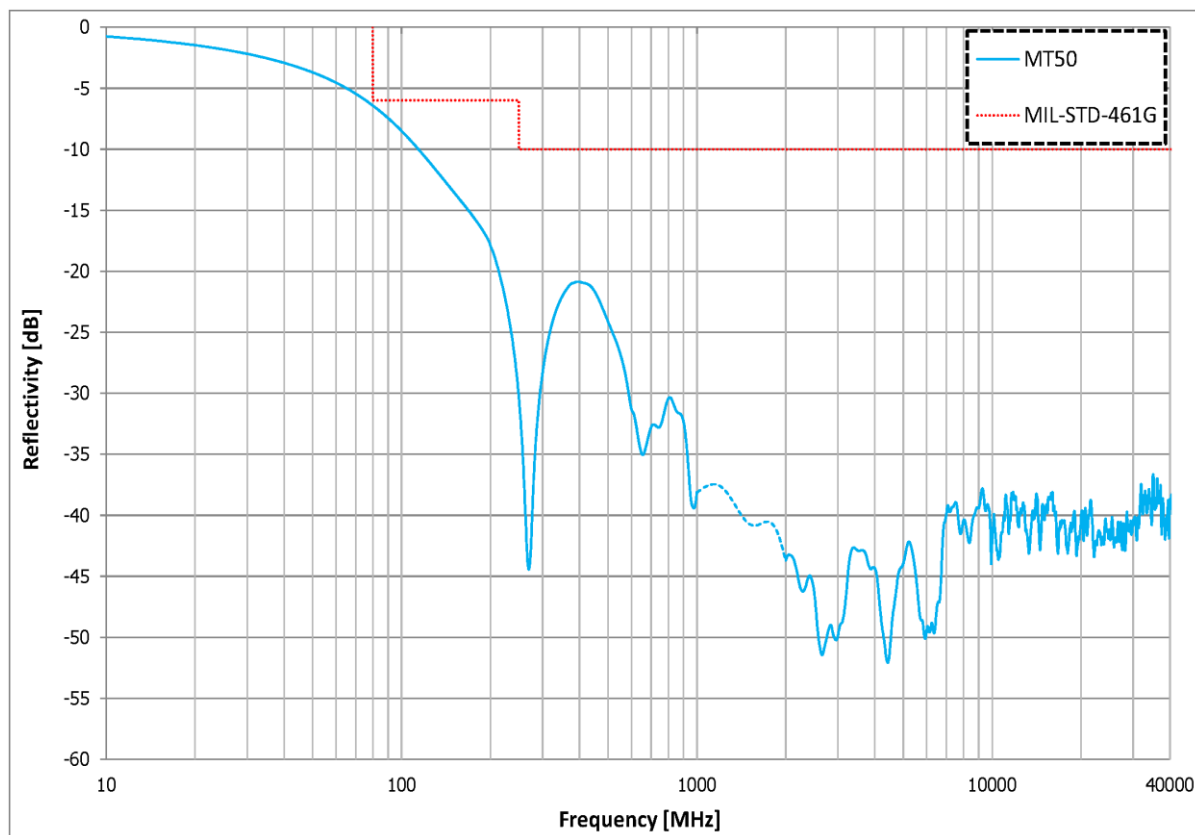
Quality control

DMAS absorbers are manufactured in The Netherlands and production is executed under tight quality control according to latest edition of ISO 9001 and ISO 14001 standards. Each production cycle is carefully tested in our own laboratory, all following IEEE Standard 1128 guidelines.

MT50 Specifications:

Description	Specification
Material	Closed-cell polystyrene
Color	Dark grey
Dimensions (incl. baseplate)	1200 x 600 x 500mm (20")
Baseplate dimensions	1200 x 600 x 100mm
Weight	12.8kg/m ²
Frequency range	80MHz – 40GHz
Max. Absorber temperature	+70°C
Power handling	Max. 663W/m ² / 500V/m (CW)
Humidity resistance	Non-hygroscopic
Product life	25+ years
Quality control	IEEE Standard 1128 / ISO 9001
Fire retardancy standards	ISO 11925-2 class E / DIN 4102-1 class B2 / UL94-HBF
Clean room standard	Class 2 as per ISO14644-1
REACH compliant	According to EC 1907/2006
RoHS 3 compliant	According to 2015/863/EC

Absorber reflectivity at normal incidence:



Warranty

Values shown are based on testing of laboratory test specimens and represent data that falls within the normal range purpose. These values are not intended for use in establishing maximum, minimum or ranges of values for specification purposes. Any determination of the suitability of the material or any use contemplated by the user and the manner of such use is the sole responsibility of the user who must assure that the material as subsequently processed meets the needs of this particular product or use. The given information is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we don't warrant the results to be obtained.

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