



FRANKONIA

Datasheet

Hybrid Absorber Franko_{Sorb}® H450-A2

Application:

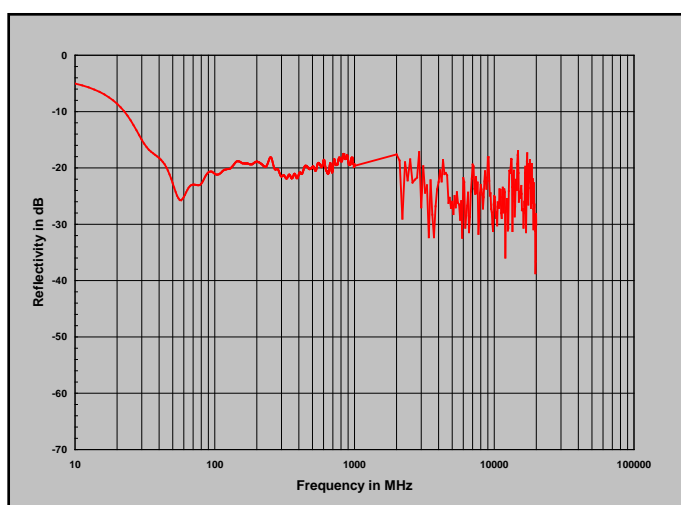
Franko_{Sorb}® H450-A2 combines the properties of high performance ferrite tiles with our nano film pyramid absorbers. The combination of ferrite tiles and impedance matched short pyramids results in high performance broadband absorbers for the frequency range 30 MHz to 40 GHz.

Franko_{Sorb}® H450-A2 is typically used in fully compliant anechoic chambers with limited dimensions.

Characteristics:

Basic length:	450 mm + 22 mm for the ferrite absorbers
Base dimensions:	300 mm x 300 mm
Power handling < 1 GHz: (limited by ferrite tiles)	100 W/m ² or 200 V/m continuous duty 700 W/m ² or 500 V/m intermediate power
Power handling > 1 GHz (capacity of pyramids)	1 kW/m ² or 600 V/m (continuous duty) 2 kW/m ² or 850 V/m (intermediate power)
Fire class:	A2 (non combustible)
Fire class according to:	German classification DIN 4102 Chinese classification GB8624-2006 Russian classification GOST 30244-94
Weight:	Pyramid: 13,33 kg/m ² ; Hybrid: 57,78 kg/m ²

Typical reflectivity:



Frequency	Reflectivity
20 GHz	-20 dB
25 GHz	-20 dB
30 GHz	-25 dB
35 GHz	-25 dB
40 GHz	-25 dB

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