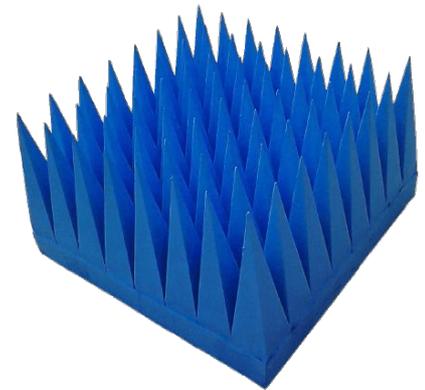


3680 - Nonflammable high power handling absorbers

Nonflammable high power handling absorber, is a non-woven fabrics based hollow broadband microwave absorbers with fire retardant and microwave absorption impregnated.

It is mainly used in microwave anechoic chambers, and it can be used to shield the test equipments inside the chamber; under vertical incidence and oblique incidence conditions, it has better broadband performance; meanwhile, it has a good scattering attenuation and isolation performance, and it can be applied for all parts of the anechoic chambers.

It is a hollow broadband microwave absorber which is made of a heat resistance non-woven fabric which is dipped with flame retardants and microwave absorbing agents, and it is mainly used in microwave anechoic chamber and covers the test equipments. Under the condition of normal incidence and oblique incidence, it has better broadband performance as well as scattering and isolation attenuation performance; it can be used in any part of the chamber.

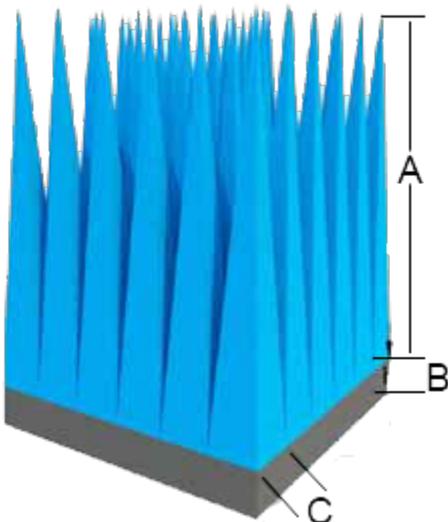


*3680-300 (300 mm height
Nonflammable high power handling
absorbers)*

Characteristics

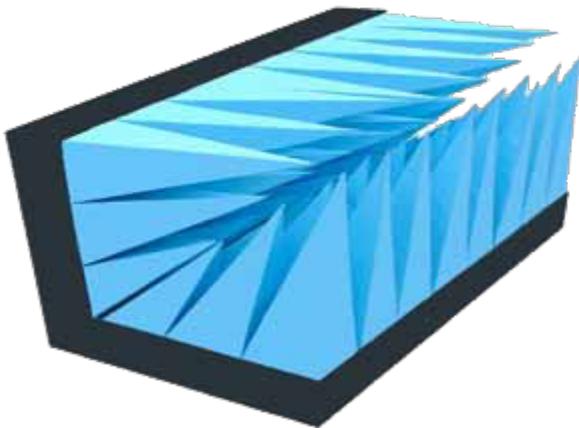
- Good flame retardant characteristics, it wont burn when it encounter the fire, it has oxygen index 60% and flame retardant B1 level.
- Excellent high power handling capacity, it can withstand the power irradiation (continuous wave) 6kW/m²
- It adopts keel mounting method, without any adhesive.
- The absorbing performance of such absorbers is equal to or better than the PU foam absorber with same height.
- It adopts inorganic flame retardants and microwave absorption, no volatile, no smell and non-toxic; it is stable in long-term use.
- Working conditions:
 - Long-time working temperature: -50C ~ 120C
 - Short-time working temperature: -100C ~ 150C
 - Relative humidity: 55% 15%

Schematic diagram of high power handling nonflammable pyramid absorber



Schematic diagram of nonflammable pyramid absorber

3680 - Nonflammable high power handling absorbers



Schematic diagram of nonflammable pyramid absorber

Product specification and part numbers

Part number	Base size (mm*mm)	Pyramid quantity per unit	Unit size A*C*B (mm*mm*mm)	Standard weight (kg/m ²)
3680-190	500500	81	1906550	10
3680-300		64	3006050	13
3680-500		64	5006076	19
3680-690		36	6908090	20
3680-1000		16	1000123160	26
3680-1200		9	1200163180	28
3680-1500		9	1500163205	29
3680-1600		9	1600163220	40

Reflection loss / Shielding performance

Part number	Reflection loss under vertical incidence (-dB @ GHz)										Power handling capacity kW/m ²	
	0.03	0.08	0.3	0.5	1	3	6	10	18	40		100
3680-190					27	35	40	45	50	50	45	3
3680-300				25	35	40	50	50	50	50	45	3
3680-500			20	30	40	45	50	50	50	50	45	4
3680-690		8	25	35	40	50	50	50	50	50	45	5
3680-1000		11	30	40	45	50	50	50	50	50	45	5
3680-1200	5	13	35	40	45	50	50	50	50	50	45	6
3680-1500	11	14	35	40	50	50	50	50	50	50	45	6
3680-1600	14	16	35	45	50	50	50	50	50	50	45	6

*These values are measured under laboratory conditions.
In your situation results may differ, please read our Guarantee*

Please note:

- For the data below 500MHz, it is obtained by low-frequency coaxial test method (GJB5239-2004); while for the data above 1GHz, it is obtained by far-field RCS test method (GJB2038A-2011)
- The performance data listed in the above table is the guaranteed data, and the measured data would be equal to or better than the guaranteed data.
- 3680-1600 can also be used in EMC chambers such as 10 meters and 3 meters.
- The bold part number is a stock item and can be delivered immediately
- Certification: CE ROHS

Series

Height (mm)

3680

Specify the height of the desired absorber in mm

Produkt anfragen