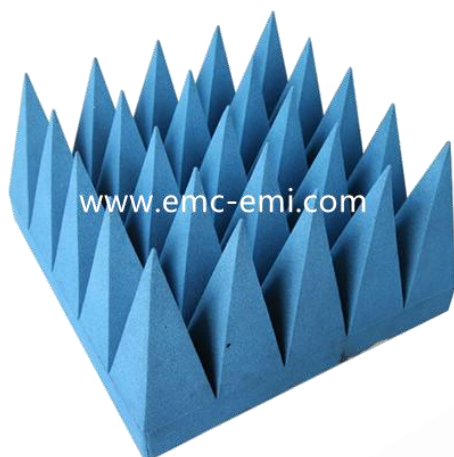


SM/SMT- Hybrid Foam Absorber

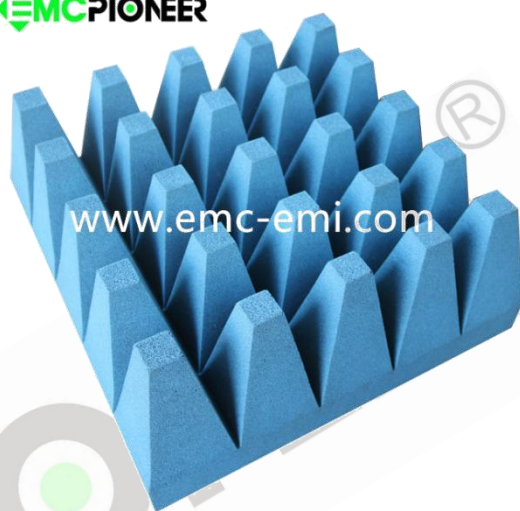
The Hybrid foam absorber is matched with ferrite tile, good performance at 30MHz~40GHz. SM series shape is pyramidal, SMT series shape is truncated pyramidal.

EMCPIONEER®



SM series: Pyramidal

EMCPIONEER



SMT series: Truncated pyramidal

Characteristics

Basic composition:

Carbon and retardant chemicals loaded polyurethane foam.

Feature:

Variable thickness broadband, flexible, workable in a wide frequency from 30MHz to 40GHz.

Retardancy:

NRL report 8093 I, II, and III

Working temperature:

-50°C ~ + 80°C or -85°F ~ 176°F

Base size:

334*334mm for SMT-800/SM-1000, 600*600mm for others.

Color:

Light blue or according to customers' demand

Physical and Electrical Property(matched with ferrite tile)

Model Name	Height (mm)	Base size (mm*mm)	Vertical incident maximum reflectivity Rw(-dB) at specific frequency (GHz) when match with ferrite tile							
			0.03	0.1	0.5	1	5	10	15	40
			SM-300/ SMT-240	300/ 240	600*600	12	14	15	17	20
SM-500/ SMT-400	500/ 400	600*600	14	16	20	20	22	25	35	40
SM-1000/ SMT-800	1000/ 800	334*334	18	20	25	35	40	40	40	40

Applications:

1. Used for 3 meters, 5 meters, 10 meters EMC chamber
2. SMT is got by cutting the pyramid of SM by 20% to improve the performance of low frequency.

Installations:

1. Generally neoprene contact adhesive is recommended for installation. Firstly, draw grids according to the base size of applied absorbers. Then adhesive is brushed on the substrate and wait till it dry to tack-free. Then apply the adhesive to the back of SM and wait for a short while. Finally press SM onto the substrate.
2. Velcro also can be used.
3. Polystyrene tiles can be used as covers for perfect appearance.