

EMC TRUNCATED PYRAMIDAL ABSORBERS

GTEMCELL HPT serie is an ultra broadband absorber, which has been specially designed to meet and exceed IEC 61000-4-3, MIL STD 462D, SAE performance requirements. This solid truncated pyramidal absorber may also be used for microwave measurements, while high level of absorption are not required in the 20 → 40 GHz range.

For antenna characterization chambers, GTEMCELL HPT are definitively the best solution in view of the highest performances in microwave range.



APPLICATIONS

Electromagnetic Compatibility measurements
Microwave measurements
Automotive
Military

INSTALLATION

3M 107 Glue
IMOFIX Velcro system

CHARACTERISTICS

Material	Carbon loaded polyurethane foam
Standard Colour	Blue, unless otherwise specified. On special order, other colours are available
Service temperature	120°C
Power handling	0,2W/cm ²
Fire retardant standards	NRL 8093, Tests 1,2 & 3
Physical specifications	Specified in Table 1
Base dimensions	610 x 610 mm
Reflectivity	Specified in Table 2
Environment	material is designed for indoor use only.

PHYSICAL SPECIFICATIONS OF HPT SERIE ABSORBER

HPT GRADE	Total Thikness	Base Height	Total Height	Pyramids per Block	Nominal Weight
HPT 32	320	74 mm	246 mm	16	3,6
HPT 50	510	100 mm	410 mm	9	4,7
HPT 70	700	150 mm	550 mm	4	6,7

ABSORPTION IN DB OF HPT SERIE ABSORBERS AT NORMAL INCIDENCE

	Frequency Mhz						
HPT Grade	80	100	300	500	1000	5000	10000
HPT 32	--	-4	-21	-30	-34	-35	<-40
HPT 50	-7	-10	-26	-32	-35	-38	<-40
HPT 70	-13	-17	-29	-37	-40	<-40	<-40