DIAMOND MICROWAVE CHAMBERS LTD



HIGH POWER HANDLING

HONEYCOMB ABSORBERS

FOR HIGH POWER CHAMBERS

Premium Quality
High Power Handling Capacity

Honeycomb absorbers for High Power application supporting frequency range from 80 MHz to 40 GHz

DMC-HMB-HP-PY

DMC-HMB-HP-PY series absorbers are made from specially treated honeycomb material with pyramid structure. DMC-HMB-HP-PY absorber provides broadband reflectivity performance in high power testing environment.



FEATURES

- Frequency range: 80 MHz to 40 GHz
- Light weight high-power handling material with hexagonal cell
- Power handling capacity up to 10 kW/m²
- Compliant with fire-retardancy (NRL 8093 Tests 1, 2, 3)
- ROHS and REACH compliant.
- Operating Temperature from -50°C ~ +100°C, Humidity range 40% -80%
- Product life under controlled environment of 15+ years

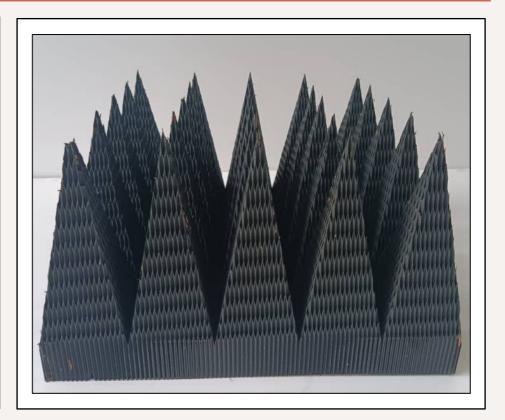
Model Number	Base Size	No of Pyramids	Total Height in	
	in mm		mm	
DMC-HMB-HP-PY-50	500 x 500	200	50	
DMC-HMB-HP-PY-100	500 x 500	100	100	
DMC-HMB-HP-PY-150	500 x 500	100	150	
DMC-HMB-HP-PY-200	500 x 500	100	200	
DMC-HMB-HP-PY-300	500 x 500	25	300	
DMC-HMB-HP-PY-500	500 x 500	9	500	
DMC-HMB-HP-PY-700	500 x 500	4	700	

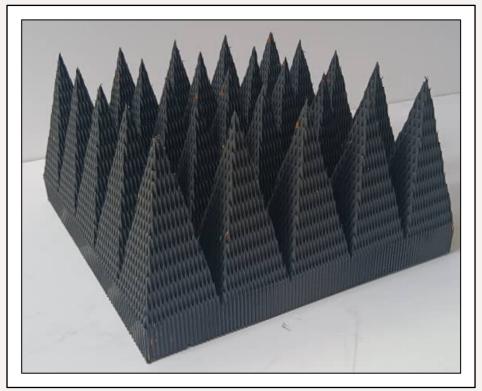
TYPICAL REFLECTIVITY OVER FREQUENCY RANGE IN -dB

Model Number	80	300	500	1	3	6	10	18	40
	MHz	MHz	MHz	GHz	GHz	GHz	GHz	GHz	GHz
DMC-HMB-HP-PY-50					13	30	35	40	50
DMC-HMB-HP-PY-100				15	30	35	40	45	50
DMC-HMB-HP-PY-150				20	32	35	45	45	50
DMC-HMB-HP-PY-200			15	28	35	40	45	50	50
DMC-HMB-HP-PY-300		15	20	33	40	45	50	55	50
DMC-HMB-HP-PY-500		22	27	40	45	52	55	55	52
DMC-HMB-HP-PY-700	6	27	35	43	50	52	55	55	52

Values shown are based on testing of laboratory test product and represent data that falls within normal range purposes. Construction standards and absorber mounting procedure defines accurate results. 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.

PICTURES







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