

DIAMOND
MICROWAVE
CHAMBERS LTD



HIGH POWER HANDLING
HONEYCOMB ABSORBERS

////// www.dmcrl.com

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

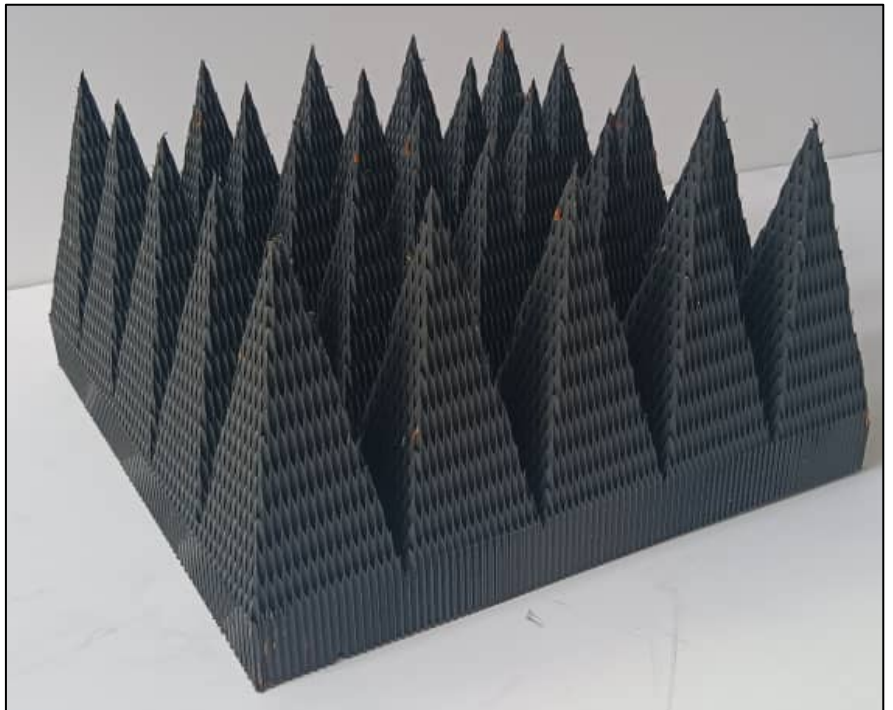
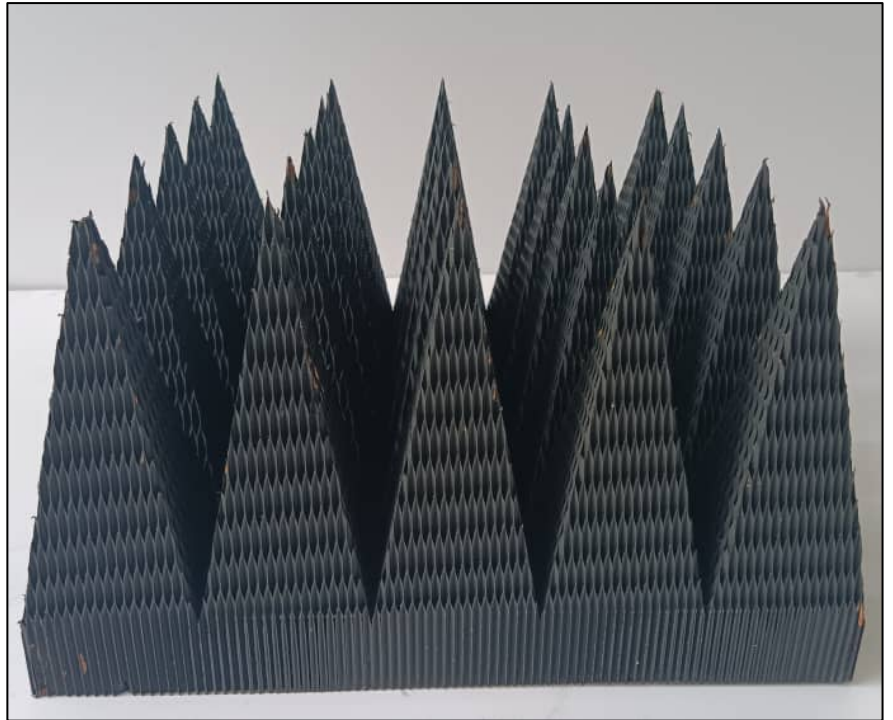
- Frequency range: 80 MHz to 40 GHz
- Light weight high-power handling material with hexagonal cell
- Power handling capacity up to 10 kW/m²
- Compliant with fire-retardancy (NRL 8093 Tests 1, 2, 3)
- ROHS and REACH compliant.
- Operating Temperature from -50°C ~ +100°C, Humidity range 40% -80%
- Product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

Model Number	Base Size in mm	No of Pyramids	Total Height in 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 MHz	300 MHz	500 MHz	1 GHz	3 GHz	6 GHz	10 GHz	18 GHz	40 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

PICTURES



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