

DIAMOND
MICROWAVE
CHAMBERS LTD



FERRITE

HYBRID
ABSORBERS



Ferrite and carbon based
wide-band Hybrid absorber

////// www.dmcrl.com

FOR EMC CHAMBERS

DMC ferrite and carbon based Hybrid absorber is composed of inorganic material offering long life and high tolerance against humidity and heat. Due to its compact size, it's perfect solution where internal chamber space is limited.

DMC-FC-PY-HY

DMC Ultra-premium high performance Ferrite carbon based Hybrid Absorber are made of moldig process and the State-of-the-art carbon synthesis process ensures extremely high uniformity of carbon powder density throughout the absorber. DMC-FC-PY-HY series hybrid absorbers provide excellent performance in normal incidence and off angle incidence in EMI/EMC test chambers.

FEATURES

- Broadband Frequency Range of Operation from 30 MHz to 40 GHz
- Ferrite and carbon based wideband absorber
- Outstanding impedance matching with ferrite tiles
- Compact height, optimized for space limited chambers
- Composed of inorganic material; long service life
- Strong mechanical structure
- Power handling capacity 1.8 kW/m²
- Maximum service temperature 150°C
- Nonflammable
- Excellent for high power testing environment
- Water and dust resistance
- Eco-friendly, complying with REACH & RoHS

TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN -dB

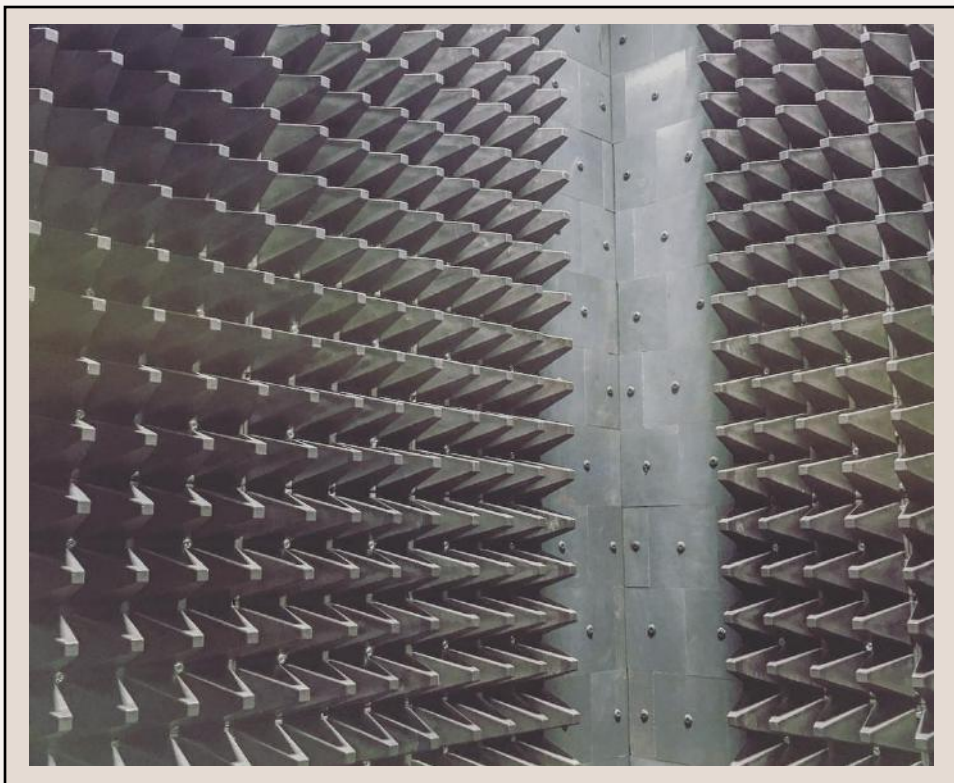
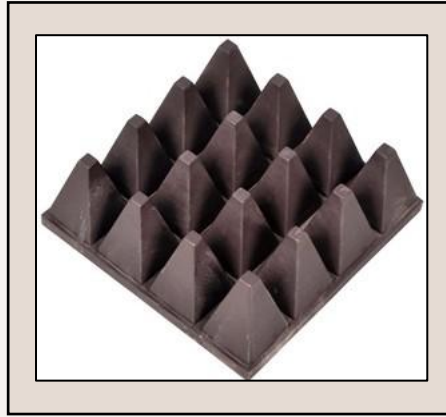
Model Number	30 MHz	50 MHz	100 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz
DMC-FC-PY-HY-80	22	23	25	20	25	28	30	35	43	45
DMC-FC-PY-HY-250	25	26	30	25	30	33	35	40	50	50

PHYSICAL PROPERTIES (in mm)

Model Number	Overall Width	Overall Height	No of Tips	Overall Weight in KG
DMC-FC-PY-HY-80	200 x 200	80	16	2.11
DMC-FC-PY-HY-250	200 x 200	250	4	3.24

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



DIAMOND MICROWAVE CHAMBERS LTD

15, Fitzgerald Rd, Suite 200, Ottawa, ON, K2H 9G1

www.dmcrf.com

sales@dmcrf.com

support@dmcrf.com

+1 (613) 915 5533

+1 (315) 602 2636