

DIAMOND  
MICROWAVE  
CHAMBERS LTD



POLYURETHANE

CONVOLUTED  
ABSORBERS

» Premium Quality  
» Excellent Performance

FOR MILLIMETER WAVE TEST CHAMBERS

////// [www.dmc rf.com](http://www.dmc rf.com)

High performance  
Convuluted Polyurethane  
Absorbers for millimeter wave  
frequencies and Anechoic  
chambers for below 80 GHz  
application

## DMC-PU-CV

DMC Polyurethane Convuluted Absorbers are used in millimeter wave test chambers, areas where non-specular/ near field scattering is to be minimized, for camouflaging, interference suppression application and low performance anechoic chamber in non-critical areas

## FEATURES

- Polyurethane foam based broadband Microwave Convuluted Absorber
- Light weight, flexible and easy to cut
- Flexible PU material block having the front surface cut to convuluted shape, dipped in absorbing slurry providing desired electrical grading
- Because of the rounded convolutions and lacking sharp corners and points, these absorbers are the preferred absorber for millimeter wave frequencies and for very wide incident angles
- Best suited at millimeter wave frequencies.
- Most suitable for areas where non-specular/near field scattering is to be minimized
- Used for various camouflaging and interference suppression application
- Suitable for low cost Anechoic chambers below 80 GHz
- Maximum service temperature: 90°

### TYPICAL REFLECTIVITY AT NORMAL INCIDENCE OVER FREQUENCY RANGE IN -dB

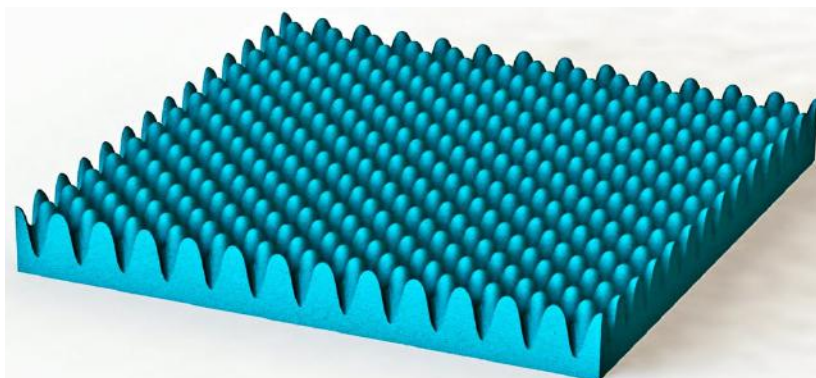
Model Number	8 GHz	10 GHz	30 GHz	50 GHz	80 GHz
DMC-PU-CV-50	20	25	25	35	40
DMC-PU-CV-100	25	30	30	35	40

### PHYSICAL PROPERTIES (in mm)

Model Number	Overall Width	Overall Height	Base Thickness	Tip Base Width	Overall Weight in KG
DMC-PU-CV-50	600 x 600	50	50	100	1.00
DMC-PU-CV-100	600 x 600	100	100	200	1.50

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



Standard Colors are Blue and Unpainted Black. MOQ 300 pcs for other color options



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