

## PU-RAM-P

### PU Foam Based Pyramidal Absorber (PU-RAM-P)

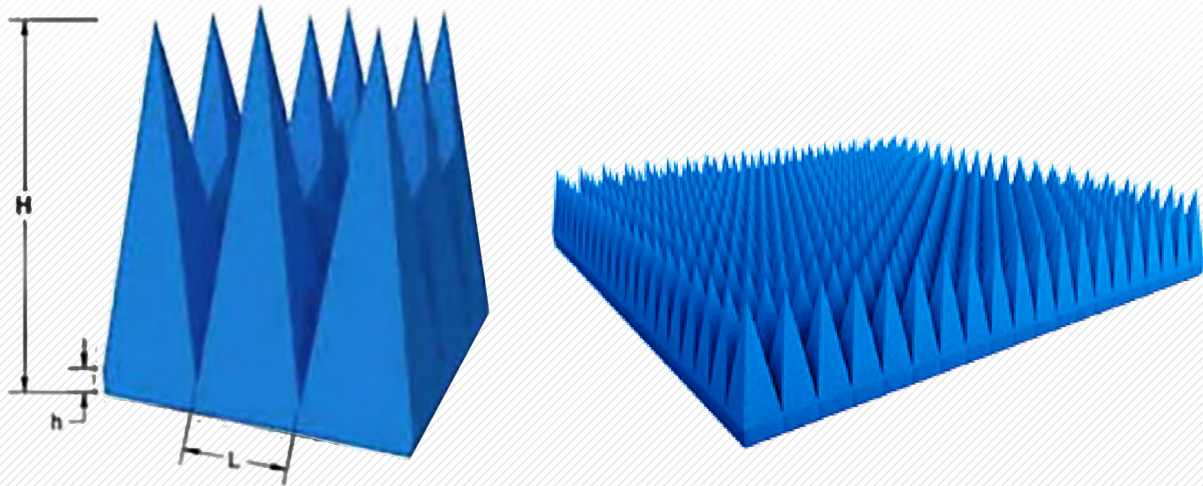
PU foam based absorbers are lightweight, high in performance and quality, and can be used in a variety of environments. They can be applied near the antenna site, used to reduce side lobe, improve front to back ratio, absorb clutter, eliminate interference, as well as camouflage and conceal military facilities.

#### CHARACTERISTICS

- Oxygen index  $\geq 29\%$  (GB/T2406-93), flame retardant B2 level (GB8624-1997).
- Installation methods: most commonly applied using an environmentally protective adhesive. Velcro installation can be applied when the height of the absorber is  $< 500\text{mm}$ . The fastener type can be adapted to fit the current method in the case of chamber refurbishment or relocation.
- Excellent environmental performance: all raw materials comply with environmental requirements - non-toxic and no off-gassing.
- Pliable and durable: the pyramids won't bend throughout long-term use and its absorbing properties will remain unchanged within 10 years of installation.
- Working conditions:  
 Long-term working temp:  $-50\text{C}\sim 90\text{C}$   
 Short-term working temp:  $-100\text{C}\sim 120\text{C}$   
 Relative humidity:  $55\%\pm 15\%$   
 Frequency range: 30 MHz - 110 GHz

#### PRODUCT SPECIFICATION

Model	Base Size (mmxmm)	Pyramid Quantity per Unit	Unit Size H x L x h (mmxmmxmm)	Standard Weight (kg/m <sup>2</sup> )	Packing Carton (mmxmmxmm)	Quantity per Carton
PU-RAM-P50	610x610	900	50x20x10	1.5	1280x650x615	48
PU-RAM-P100	610x610	225	96x36x20	2.2	1280x660x615	22
PU-RAM-P200	610x610	81	190x65x50	4	1280x650x615	12
PU-RAM-P300	610x610	36	300x100x60	7	1280x650x615	6
PU-RAM-P500	610x610	16	495x145x65	11	1280x650x615	4
PU-RAM-P700	610x610	9	700x195x130	16	1300x900x620	4
PU-RAM-P1000	300x300	1	1000x300x150	22	1220x640x640	8
PU-RAM-P1200	400x400	1	1200x400x200	25	1420x840x440	4



## PRODUCT PERFORMANCE

Model	Reflection loss under vertical incidence (-dB)											Power Handling Capacity kW/m <sup>2</sup>
	0.03 (GHz)	0.08 (GHz)	0.3 (GHz)	0.5 (GHz)	1 (GHz)	3 (GHz)	6 (GHz)	10 (GHz)	18 (GHz)	40 (GHz)	100 (GHz)	
PU-RAM-P50							30	35	40	50	45	1.5
PU-RAM-P100						30	35	40	45	50	45	1.5
PU-RAM-P200					27	35	40	45	50	50	48	1.5
PU-RAM-P300				25	35	40	50	50	50	50	47	1.5
PU-RAM-P500			20	30	40	45	50	50	50	50	48	1.5
PU-RAM-P700		8	25	35	40	50	50	50	50	50	48	1.5
PU-RAM-P1000		11	30	40	45	50	50	50	50	50	47	1.5
PU-RAM-P1200	5	13	35	40	45	50	50	50	50	50	47	1.5

### Note:

1. Data below 500 MHz is obtained by low-frequency coaxial test method (GJB5239-2004). Data above 1 GHz is obtained by far-field RCS test method (GJB2038A-2011).
2. The performance data listed in the above table is the guaranteed data and the measured data would be equal to or greater than the guaranteed data.

