

WEATHER PROOF - OUTDOOR MICROWAVE RF ABSORBERS

JVMFU-WP1C microwave absorber product line is complete range of outdoor high Performance Plastic Coated Pyramidal Microwave Absorbers available in wide range of thickness and absorbencies. Variety of thickness gives the chamber designer the opportunity to choose grades appropriate for specific frequencies and incidence angles by using low density, flexible foam, impregnated with a carbon formulation to achieve the desired electrical performance outside of the absorber is coated with RF Transparent Plastic Paint. The pyramidal structure gives the geometrical matching and the carbon dispersed gives the attenuation required. Provides Engineers with the building blocks needed in the design and construction of RF absorbing surface for clean room application and for outdoor testing at coastal, humid, rainy or dusty area.

Features:

- Highest absorbtion, better than -50dB attenuation as per IEEE 1128-1998.
- For RF Clean Room Application
- ROHS compliance for human safety.
- Fire retardant finish as per NRL 8093, Serial No. 1, 2 & 3.
- Long Product life Upto 5 Years. Life can be increased when kept inside the room during its non usage
- Reflectivity Tested as per NRL ARCH Method.
- Power handling capacity is 1.5 KW/Square meter. Option 3 Kw/Square Meter.
- Colour of absorber can be suggested by user and our customer. Default colour Blue.



***Broadband absorbers suitable for Outdoor-Measurements normally from 80MHz to 110GHz**

*** Standard Dimension L x W = 610cm x 610cm**

Reflectivity of JV Micronics Absorbers

Model No.	Height (inch)	80 MHz (dB)	200 MHz (dB)	300 MHz (dB)	400 MHz (dB)	1 GHz (dB)	2 GHz (dB)	4 GHz (dB)	8 GHz (dB)	12 GHz (dB)	18 GHz (dB)	24 GHz (dB)	40 GHz (dB)
JVMFU2-WP1C	2					-15	-18	-25	-30	-36	-44	-48	-50
JVMFU4-WP1C	4					-20	-25	-30	-35	-40	-48	-50	-50
JVMFU6-WP1C	6					-22	-28	-32	-38	-45	-50	-50	-50
JVMFU9-WP1C	9	-7	-15	-17	-20	-30	-34	-38	-44	-48	-50	-50	-50
JVMFU12-WP1C	12	-7	-15	-17	-26	-32	-36	-42	-48	-50	-50	-50	-50
JVMFU18-WP1C	18	-8	-18	-20	-28	-38	-42	-46	-50	-50	-50	-50	-50
JVMFU24-WP1C	24	-8	-20	-25	-30	-40	-45	-50	-50	-50	-50	-50	-50
JVMFU28-WP1C	28	-10	-22	-27	-35	-45	-50	-50	-50	-50	-50	-50	-50
JVMFU30-WP1C	30	-10	-23	-28	-38	-47	-50	-50	-50	-50	-50	-50	-50
JVMFU36-WP1C	36	-12	-26	-30	-40	-48	-50	-52	-52	-52	-52	-52	-52

***Note:** - Data sheet on request for absorbers upto 110 GHz and above.