

C-RAM RFA

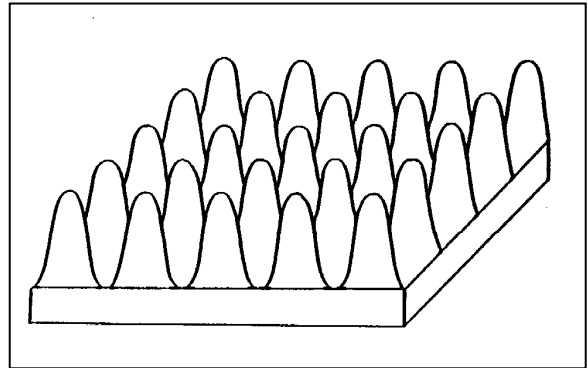
RoHS
Compliant

TECHNICAL BULLETIN 390-12

HIGH PERFORMANCE CONVOLUTED RF ABSORBERS

C-RAM RFA is a similar convoluted absorber available in various thickness grades. It is made from a large-pore open-cell urethane foam (approx 15 pores/inch). This open cell structure makes C-RAM RFA ideal for outdoor applications, where rain can drain quickly through the piece, and residual moisture can evaporate quickly.

For optimum resistance to moisture, C-RAM RFA uses a different fire retardancy mechanism. While it is self-extinguishing, this material is not rated to NRL 8093 standards.



METHOD OF APPLICATION

C-RAMRFA are attached to walls and ceilings using a contact adhesive, such as CAMBOND 934. When bonding over a vent or air duct, the absorber should be cut oversized, and be bonded only around the edges to the wall.

AVAILABILITY

C-RAM RFC and RFA are each available in three thickness grades, as specified in the tables below. Pieces are available in a standard 24 in x 24 in (610 x 610 mm) base size, although other dimensions can be made on special order.

Both materials are generally supplied with a light blue surface coating, but as with C-RAM FAC, when the intended use is above 30 GHz, it is recommended to specify the material unpainted.

Document Control No. N-12-000-0095-E
11/03/11 page 1 of 2

TYPICAL DIMENSIONS AND REFLECTIVITIES OF C-RAM RFA

----- REFLECTIVITY AT FREQ., IN dB -----

Grade	Height	Weight	2 GHz	5 GHz	10 GHz	15 GHz	20 GHz
RFA-075	0.75 in 19mm	0.5 lb .25kg		12	15	17	18
RFA-175	1.75 in 45mm	0.8 lb .35kg	12	18	25	28	30
RFA-375	3.75 in 95mm	1.5 lb .70kg	25	32	37	40	40

The information in this technical bulletin, although believed to be accurate, is not to be taken as a warranty for which Cuming Microwave assumes legal responsibility, nor as permission or recommendation to practice any patented invention without license. It is offered for verification by the customer, who must make the final judgment of suitability for any application.