



C-RAM LPJN

RoHS
Compliant

TECHNICAL BULLETIN 320-4A

FLEXIBLE JAUMAN ABSORBER

C-RAM LPJN is a series of lightweight, flexible, weatherproof radar absorbers, which can be, used indoors, outdoors, or wherever the material may be in contact with water, saltwater, or other liquids. C-RAM LPJN is made of alternating layers of closed-cell flame retardant foam and resistive layers. It is based on the Jaumann principle of operation. C-RAM LPJN is designed to provide typically -20 dB of reflectivity reduction in the frequency range of 8-18 GHz.

APPLICATIONS

The radar absorber is useful for reducing reflections associated with radar ranges, antennas, aircraft, and naval vessels. Its easy-to-clean surfaces and non-dusting behavior make it suitable for cleanroom applications.

The standard size of C-RAM LPJN is 24 x 24 in. Standard thickness is less than 0.5" weight is under 0.5 LB per foot square. Other thicknesses, shapes, and sizes are available on a custom order basis. It can be easily cut to special size or shape. Sheets are bonded together or to a reflecting surface with a contact adhesive such as C-BOND 287.

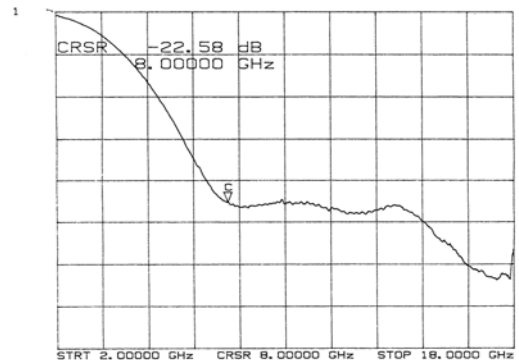
TYPICAL PROPERTIES

Color: Gray
Size: 24" X 24" standard
Service Temp.: -40 to +180 °F (LPJ)

METHOD OF APPLICATION

For best performance, C-RAM LPJ and RCJ must be mounted with its back face in close contact with a metallic reflecting surface. The back faces of C-RAM LPJN are identified by markings designating its type and grade; the front face is blank and colored Gray. A special grade, designated C-RAM LPJN/M, is available with an integral metal foil backing.

Electrical Performance



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 to practice any patented invention without license.

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