



C-RAM CS & CS-HT

RoHS
Compliant

TECHNICAL BULLETIN 320-8

SPACE CLOTH SHEET STOCK WITH CONTROLLED RESISTIVITY AND RF LOSS

C-RAM CS and CS-HT are series of materials with controlled surface resistivity and dissipation factor. Both materials are based on a lightweight woven fiberglass cloth, which is coated with a carbon loaded coating yielding well controlled resistance and RF loss.

C-RAM CS and CS-HT are space cloth type materials exhibiting traditional woven fabric characteristics allowing air and liquids to pass through the material.

Standard C-RAM CS will tolerate continuous use through 215°F.

C-RAM CS-HT is made with a binder which exhibits high thermal breakdown, thus the material will withstand continuous use through 300°F and short time exposure up to 375°F.

C-RAM CS can be provided with a conductive surface, but preferably a non-conductive outer coating is applied for protection and performance consistency. For this reason C-RAM CS is tested and controlled by its insertion loss, measured with the material at a 45° incidence angle.

The following types of C-RAM CS and CS-HT are available:

<u>Grade</u>	<u>Surface Resistance</u>	<u>Insertion Loss at 4 GHz</u>
CS 100	100 ohm/sq.	11 dB
CS 377	377 ohm/sq.	4.6 dB
CS 1000	1000 ohm/sq.	2.0 dB
CS 1500	1500 ohm/sq.	1.4 dB

Nominal thickness is .010 in. to .015 in. Standard sheet size is 12 in. x 12 in. but can be supplied up to 36 in. x 48 in.

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