ECCOSORB® HT-98

HIGH TEMPERATURE AND HIGH POWER MICROWAVE ABSORBER

Description :

Eccosorb HT-98 is a broadband microwave absorber useful from -55 to +340°C. Because of this high temperature capability, the absorber can be used where high power levels are involved.
Exact power handling is dependant upon heat transfer situation. A typical value is 1.6 to 2.3 W/cm², allowing air to circulate at the back surface of the absorber.

Application :

Eccosorb HT-98 finds particular application for lining metal housings used to cap radiating antennas.

Physical Properties :

	HT-98
Base material	Ceramic foam
Size (cm)	30X46X5.1
Temperature range (°C)	-55 to +340
Weight (kg)	1.7

Electromagnetic Properties :

	HT-98
Typical Reflectivity (>2.5 GHz)	-17dB

Reflectivity is low when measured under free space conditions. This assures a low VSWR in the antenna feed line when the absorber is used in a cap application.

ELECTRONIC SERVICE GmbH
Hohe Straße 3 | 61231 Bad Nauheim
T +49 (0)6032 9636-0 | F +49 (0)6032 9636-49
info@electronic-service.de | www.electronic-service.de

Emerson & Cuming Microwave Products N.V.
Bell Telephonelaan 2B – B-2440 Geel – Belgium
Tel: +32 14 56 25 00 – Fax +32 14 56 25 01
sales@eu.eccosorb.com - www.eccosorb.eu

EMERSON & CUMING MICROWAVE PRODUCTS

EB-095

ECCOSORB® HT-98

HIGH TEMPERATURE AND HIGH POWER MICROWAVE ABSORBER

Availability :

Eccosorb HT-98 is supplied in the form of lightweight unicellular foamed ceramic bricks.
The ceramic bricks have an array of conical holes drilled into them. The base of each hollow cone is at the back surface, the tip of each cone is close to the front surface. Lossy films which constitute the microwave absorbing element are applied to the surfaces of the cones.
The product can also be supplied with ventilation holes which extend from the tip of each cone to the front surface, designated as Eccosorb HT-98-VH. These ventilation holes allow for efficient ventilation scheme by means of force circulated air from the back of the absorber through the holes to the front.

Instructions for use :

Eccosorb HT-98 bricks can be stacked on one another to produce a self-supporting wall or they can be set into a housing with mortar as in masonry practice.
Edges of bricks can be mitered to allow cylindrical structures.
Being completely inorganic Eccosorb HT-98 will not burn.

ELECTRONIC SERVICE GmbH
Hohe Straße 3 | 61231 Bad Nauheim
T +49 (0)6032 9636-0 | F +49 (0)6032 9636-49
info@electronic-service.de | www.electronic-service.de

2011/04 - V01/2
Emerson & Cuming Microwave Products N.V., Bell telephonelaan 2B, B-2440 Geel, Belgium.

EMERSON & CUMING MICROWAVE PRODUCTS