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**Product  
Bulletin**

**200-03**

**MICROSORB HCS-CR**  
**High Temperature Pyramidal Honeycomb**

**GENERAL DESCRIPTION**

**MICROSORB HCS-CR** is a ceramic based pyramidal Honeycomb absorber which can be utilized for applications requiring high incident power.

**MICROSORB HCS-CR** exhibits excellent microwave performance and can be machined using ceramic glass type cutting tools. **HCS-CR's** open cell structure enables high power handling capabilities with a forced air cooling system to draw off the generated heat.

**SPECIFICATIONS**

Base Material Density	30 lbs./ft <sup>3</sup>
Power Handling (10 GHz)	10 Watts/in <sup>2</sup>
Maximum Temperature, °F	500 (can survive brief excursions to 850°F)
Cell Size	1/4"
Bonding Materials	
Adhesive	Ceramic Silicone High Temp Epoxy

**APPLICATION**

**MICROSORB Technologies** offers the addition of

- ❖ Pressure Sensitive Transfer Adhesive on the back surface, for ease of application.
- ❖ EMI Metal Foil on the back surface to provide a ground plane.
- ❖ Fabrication of material into shapes to your specific drawing requirements. We offer die-cutting, water-jet, slitting or spraying services.

**SIZES**

**MICROSORB HCS-CR** is available in sheet 12" x 12" and 24" x 24". Other sizes are available. Standard thicknesses available are:

- Please contact your **MICROSORB** Customer Service Department to discuss your specific requirements.

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