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## **ECCOSORB® MF-117 Selected For ALMA Receiver Development Program**

Randolph, MA --February 1, 2007-- Emerson & Cuming Microwave Products' ECCOSORB® MF-117, a magnetically loaded epoxy, was selected for a high frequency (84-116 GHz) waveguide termination used in the international Atacama Large Millimeter Array (ALMA), one of the largest ground-based astronomy projects of the next decade.

According to Mike Plante, Director of Sales and Marketing, "*ECCOSORB® MF-117 was chosen for its microwave absorber bandwidth and attenuation material characteristics. Additionally, there were specific RF operational requirements, that required low out-gassing and a service temperature of a cryogenic 4 Kelvin.*"

The Atacama Large Millimeter Array (ALMA), one of the largest ground-based astronomy projects of the next decade, is a major new facility for world astronomy. ALMA will be comprised of a giant array of 12-m submillimetre quality antennas, with baselines of several kilometres. An additional, compact array of 7-m and 12-m antennas is also foreseen. Construction of ALMA started in 2003 and will be completed in 2010. The ALMA project is an international collaboration between Europe, Japan and North America in cooperation with the Republic of Chile.

Emerson & Cuming Microwave Products, Inc., an ISO 9001:2000 company is a world leader in the development and manufacturer of ECCOSORB®, microwave

absorbing materials and anechoic chambers; ECCOSTOCK<sup>®</sup> dielectric materials for low loss RF and microwave applications; ECCOSHIELD<sup>®</sup> electrically conductive sheets, caulks, adhesives and coatings; and ECCOPAD<sup>®</sup>, Smart tag isolators, for read on metal technology. Emerson & Cuming Microwave Products, maintains manufacturing facilities in Randolph, Massachusetts (US) and Westerlo, Belgium.

For over 50 years, the company has produced leading edge materials and engineered solutions for the wireless and satellite communications, military and aerospace, automotive, RFID and medical markets. For additional information, contact the company in North America at Tel: 1-800-650-5740 or 781-961-9600; in Europe at Tel: +32-(0) 14-56 25 00; or point internet browsers to [www.eccosorb.com](http://www.eccosorb.com).

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