

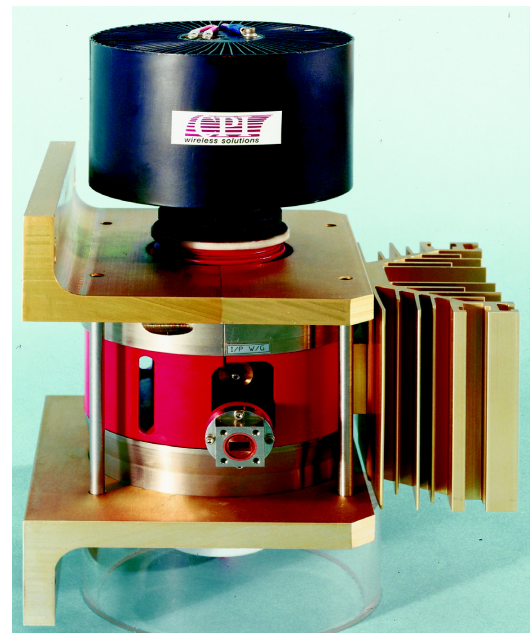
ECCOSORB[®] MCS, MF & MFS used in Ground-Based Earth-to-Satellite Communications

A company specializing in medium power klystrons and solid-state power amplifiers looked to Emerson & Cuming Microwave Products for microwave absorbers to control EMI.

Medium power klystrons are used in ground-based earth-to-satellite communications, amplifiers (KPA's) and troposcatter communication terminals.

Used as a tuning element in the lab, a sheet of ECCOSORB[®] MF is placed over the top of a Solid State PA in place of the metal cover. The lab technician can then tune the amplifier to peak performance. Once correctly tuned, amplifier covers are then lined with ECCOSORB[®] MFS-117/SS6M precut parts in predetermined areas.

Similar material, ECCOSORB[®] MCS is also used to control RF leakage under high power. During assembly, technicians wrap strips of ECCOSORB[®] MCS around ceramic heat sink fins to help prevent EMI from leaking. ECCOSORB[®] MCS is a heavily loaded silicone absorber available in a wide range of thicknesses.



Glass Tube Medium Power Klystron