

# Power Couplers

## VWP1162



### Features:

- Frequency: 805 MHz
- Peak Power: 1000 kW
- Average Power: 10 kW
- Cooling: Air

### Description:

The VWP1162 Fundamental Power Coupler was designed for Michigan State University's research towards the Rare Isotope Accelerator (RIA). The Rare Isotope Accelerator is designed to create and understand new isotopes. The VWP1162 power coupler is a coaxial coupler with a single ceramic window providing the vacuum interface. The vacuum side of the ceramic is coated with TiN to suppress multipactor. The VWP1162 was designed by AMAC International in collaboration with CPI. The VWP1162 was successfully qualified at Thomas Jefferson National Accelerator Facility in 2003.

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