CPI Electron Device Business - Power Coupler

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 EDB. The VWP1162 was successfully qualified at Thomas Jefferson National Accelerator Facility in 2003.

FEATURES:

- Frequency: 805 MHz
- Peak power: 1000 kW
- Average power: 10kW
- Cooling: Water

APPLICATIONS:

- Superconducting Linear Accelerators

CPI EDB Model Number	Accelerator Application	Freq. (MHz)	Peak Power (kW)	Avg. Power (kW)
VWP1162	RIA Prototype (MSU)	805	1000	10

CPI Electron Device Business

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