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 gualified 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

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



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corresponding CPI EDB technical description if one has
been published, or contact CPI EDB. Specifications may
change without notice as a result of additional data or
product refinement. Please contact CPI EDB before using
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