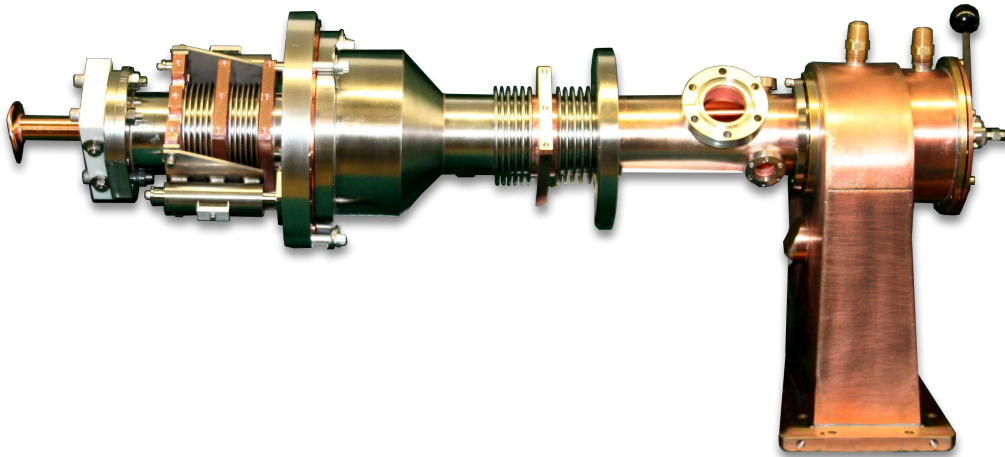


CPI Electron Device Business - Power Coupler



The VWP3032 Fundamental Power Coupler is designed for the Cornell Energy Recovery Linac (ERL). The VWP3032 coupler design is based on the TTF3 coupler design but significantly modified to meet the high average power requirements of the Cornell ERL. The VWP3032 utilizes two ceramic cylinders to provide the vacuum interface. The ceramics are coated with TiN to suppress multipactor. RF-conducting surfaces are electroplated with high RRR copper. The VWP3032 coupler was qualified at Cornell in 2006 with production scheduled for 2007.

FEATURES:

- Frequency: 1300 MHz
- Peak power: 75 kW
- Average power: 75 kW
- Cooling: Water / Air

APPLICATIONS:

- Superconducting linear accelerators

CPI EDB Model Number	Accelerator Application	Freq. (MHz)	Peak Power (kW)	Avg. Power (kW)
VWP3032	ERL Injector (Cornell and Triumf)	1300	75	75



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For more detailed information, please refer to the 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 this information for system design.

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