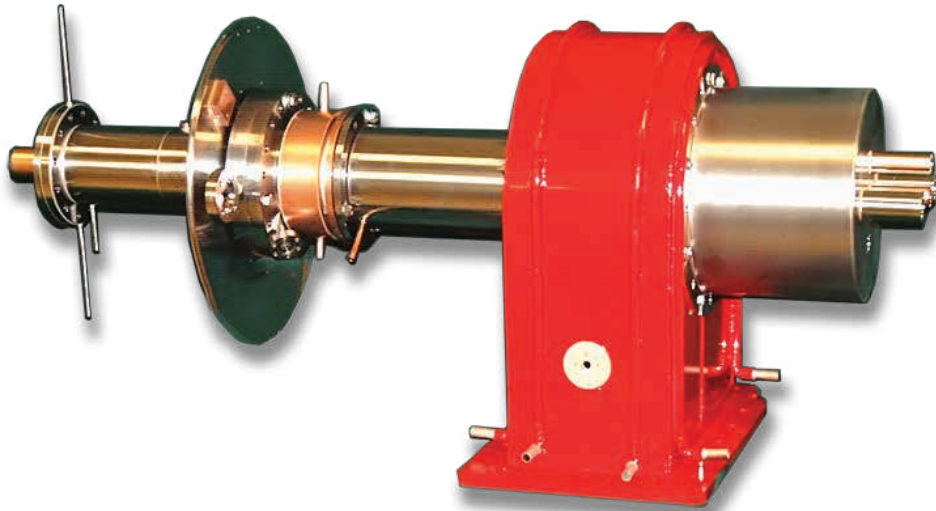


Communications & Power Industries Power Coupler



The VWP1185 and the VWP1186 Fundamental Power Couplers are designed for a high-current Free Electron Laser Injector. The VWP1185 / 86 couplers were designed by Advanced Energy Systems, Inc. The 1 MW cw requirement is met with a BeO ceramic window. The vacuum side of the ceramic is coated with TiN to suppress multipactor. RF-conducting surfaces are electroplated with high RRR copper. The couplers will be qualified at the Thomas Jefferson National Accelerator Facility in 2007.

FEATURES:

- Frequency: 748 MHz
- Peak Power: 350 kW
- Average Power: 350 kW
- Cooling: Water, Helium

APPLICATIONS:

- Superconducting Linear Accelerators

CPI Model Number	Accelerator Application	Freq. (MHz)	Peak Power (kW)	Avg. Power (kW)
VWP1185/86	FEL Injector (AES, JLAB)	748	350	350