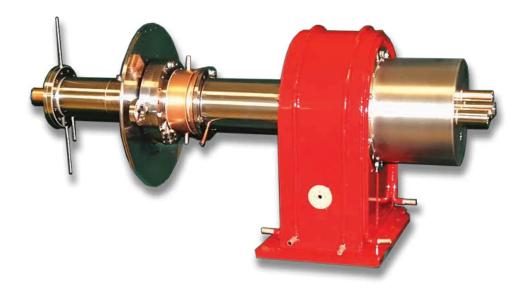
Communications & Power Industries Power Coupler



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

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



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as result of additional data or product refinement. Please contact CPI before using this information for system design. www.cpii.com

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