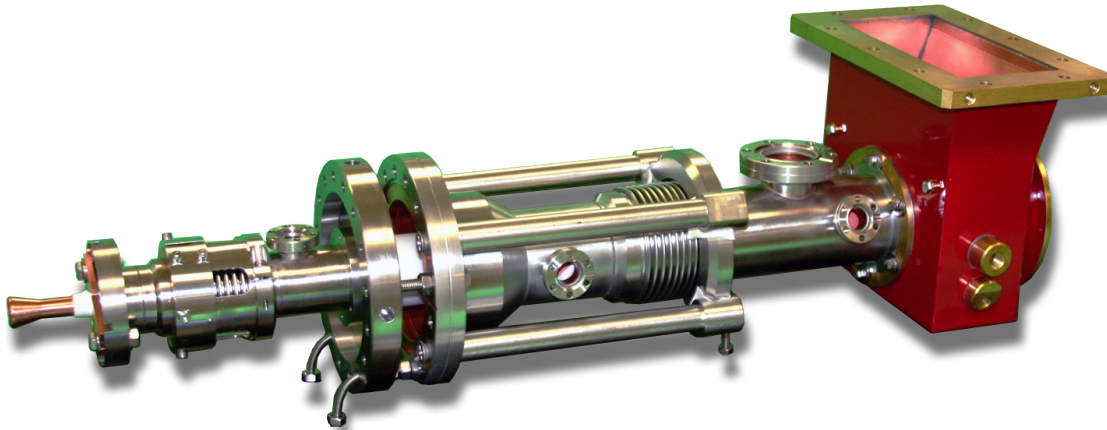


CPI Electron Device Business - Power Coupler



The WVP3049 Fundamental Power Coupler is also known as the TTF3 Power Coupler. Designed by DESY for use in the Tesla Test Facility, the TTF3 Power Coupler is the baseline design for the European XFEL and the International Linear Collider. The WP3049 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 WVP3049 has been in production since 2003. As of the end of 2013, CPI EDB has built over 110 WVP3049 couplers for Institut de Physique Nucleaire d'Orsay, Fermi National Lab, SLAC, and DESY.

FEATURES:

- Frequency: 1300 MHz
- Peak power: 1110 kW
- Average power: 7.2 kW
- Cooling: Air

APPLICATIONS:

- Superconducting linear accelerators

CPIEDB Model Number	Accelerator Application	Freq. (MHz)	Peak Power (kW)	Avg. Power (kW)
WVP3049	ILC Test Area (Fermi, SLAC and Triumf)	1300	1100	7.2



Beverly Microwave Division
 150 Sohier Road
 Beverly, Massachusetts
 USA 01915

tel +1 978-922-6000
 email ElectronDevices@cpiedb.com
 fax +1 978-922-8914
 web www.cpi-edb.com

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.

©2024 CPI Electron Device Business. Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI EDB.