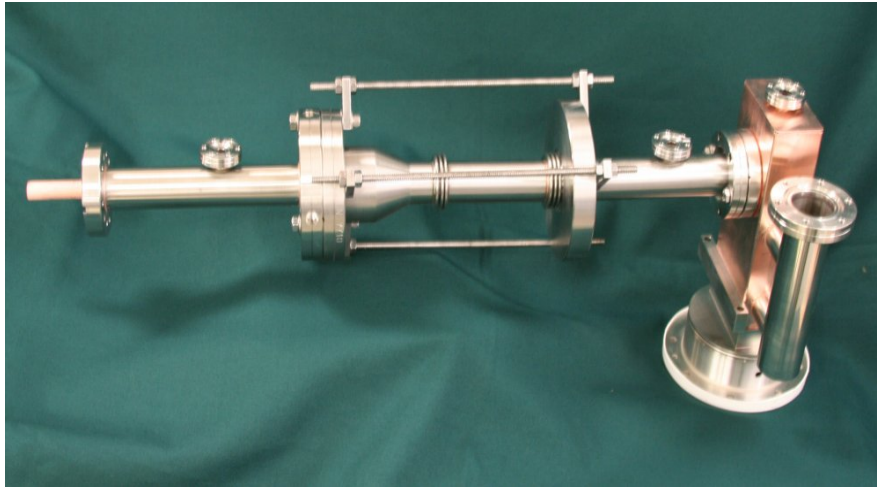


Power Couplers

VWP3038



Features:

- Frequency: 3900 MHz
- Peak Power: 12.5 kW
- Average Power: 12.5 kW
- Cooling: Air

Description:

The VWP3038 Fundamental Power Coupler is designed for the Fermi National Lab Third Harmonic Accelerating Cavity. The VWP3038 was designed by Fermi Lab with the warm window design provided by CPI. The VWP3038 incorporates fixed coupling with no dc bias. All components are brazed. The cold window utilizes the same cylindrical ceramic as in the TTF3 coupler. Both ceramics are coated with TiN to suppress multipactor. RF-conducting surfaces are electroplated with high RRR copper. The couplers were qualified in 2006.

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