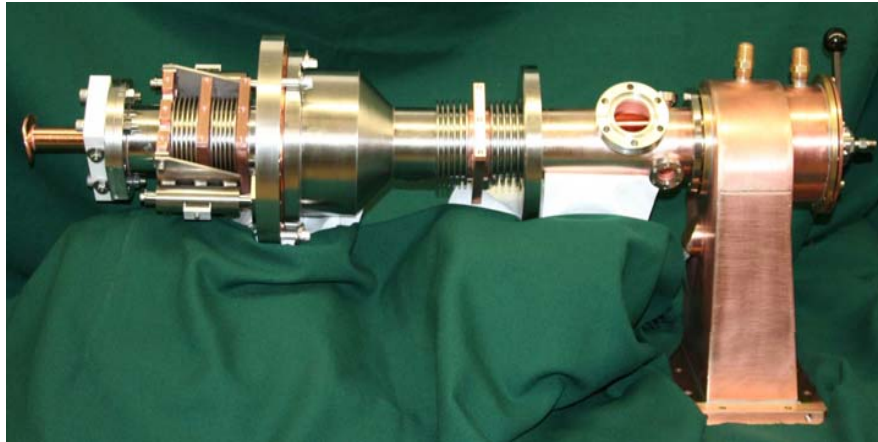


Power Couplers

VWP3032



Features:

- Frequency: 1300 MHz
- Peak Power: 75 kW
- Average Power: 75 kW
- Cooling: Air

Description:

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.

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