Communications & Power Industries Klystron



CPI Microwave Power Products (MPP) offers klystrons for particle accelerator applications. The VKL-8301B is a 1300MHz, 10 MW peak, 150kW average, long-pulse Multiple Beam Klystron (MBK) developed for the European X-FEL and International Linear Collider (ILC) projects.

Typical Operating Parameters

Typical Operating i	didiffic ters
Frequency	1300 MHz
Peak O/P power	10 MW
Beam voltage	118 V
Beam current	130 A
Saturated gain	50 dB
Efficiency	67.8%
Duty	1.5%

FEATURES:

- High O/P power and efficiency at lower operating voltage.
- Beam separation and cathode size tailored for long cathode life (≥100,000 hours expected).
- 6 beam, cathode pulsed electron gun
- Dual WR-650 waveguide outputs
- Integrated X-ray shielding

BENEFITS:

- High reliability & efficiency
- Proven long life designs
- Customizable models for your application

APPLICATIONS:

• Particle accelerator



Microwave Power **Products Division** 811 Hansen Way Palo Alto, California USA 94304

tel fax

+1 650-846-2800 +1 650-856-0705 email MPPMarketing@cpii.com web www.cpii.com/MPP

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 a result of additional data or product refinement. Please contact CPI before using this information for system design.

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