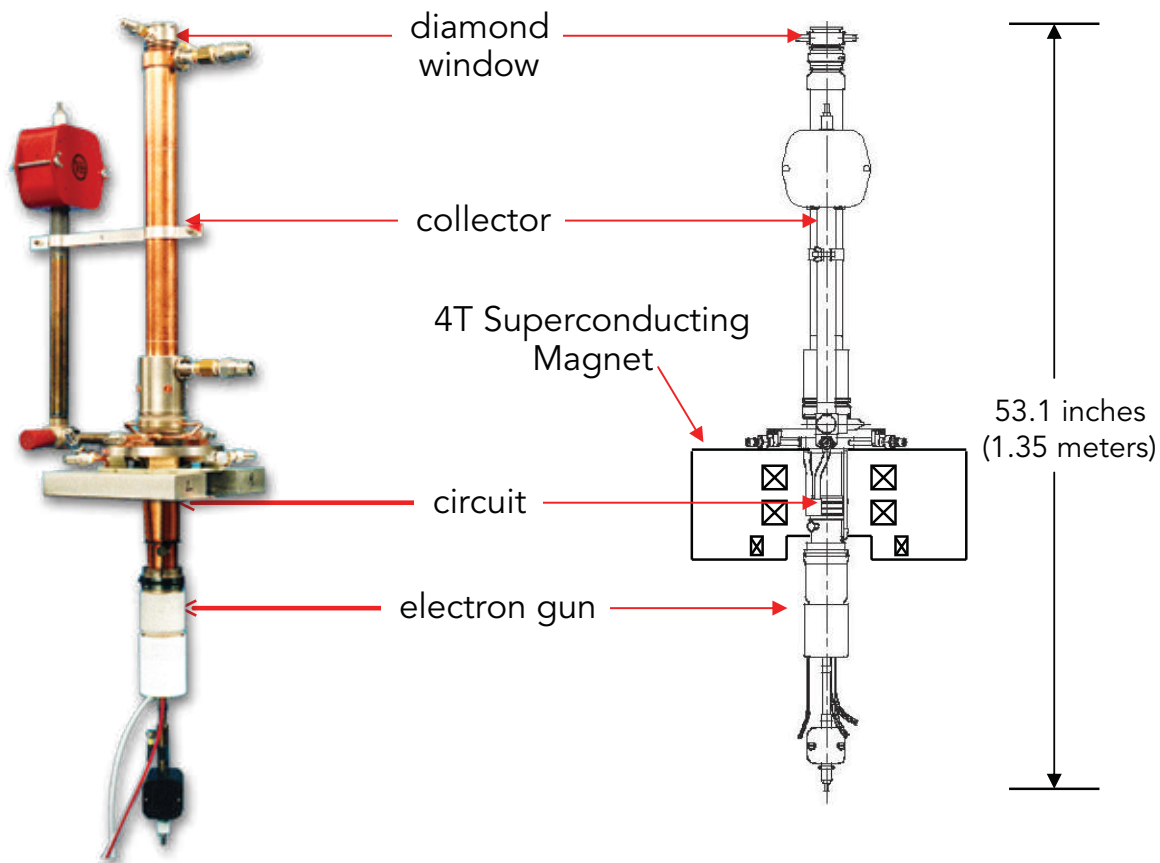


Communications & Power Industries Gyrotron Amplifier



CPI gyrotron amplifiers are the only commercially available W-band amplifiers with high peak and average output powers. The VGB-8193, a five-section gyro-amplifier, can be operated at peak output powers up to 55 kW and average output powers up to 5.5 kW. The full-width-half-maximum bandwidth is 1.6 GHz and the saturated gain is 33 dB. A CVD diamond window, developed for use on high-power gyrotron oscillators, has been adapted for the amplifier. The VGB-8193 is available with a refrigerator-cooled 4 Tesla superconducting magnet which does not require liquid cryogenes.

FEATURES:

- High power
- Broad bandwidth
- High gain
- Axial output
- CVD diamond output window
- Cryogen-free superconducting magnet

BENEFITS:

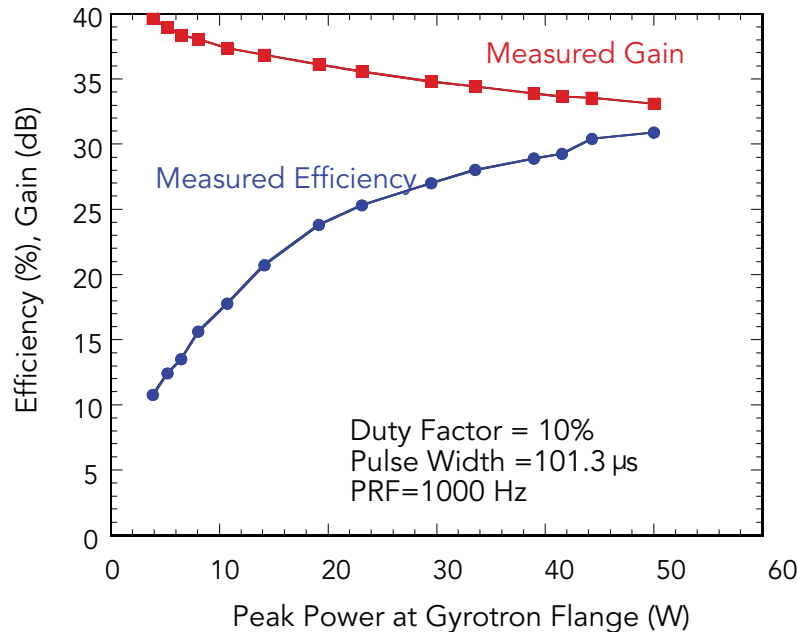
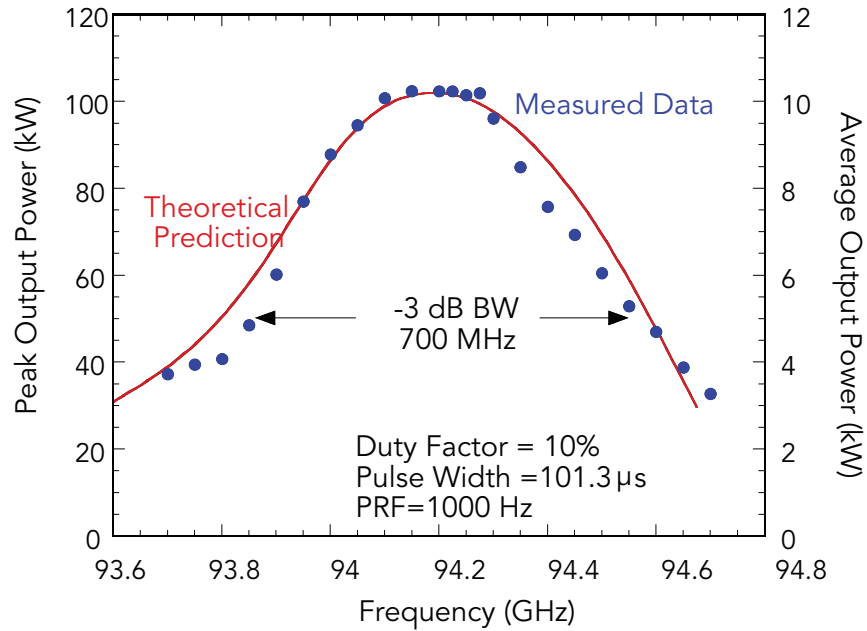
- High power
- High frequency
- Broadband

APPLICATIONS:

- Radar
- Directed energy

CPI 100 kW Gyrotron Amplifier: VGB-8194

Measured Data for VGB-8194 Serial Number 002
Center Frequency 94.2 GHz, Cathode Voltage 55 kV, Beam Current 5-6 A



With a history of producing high quality products, we can help you with your gyrotron.
Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800.

The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



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

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