VGB-8095 Gyrotron Oscillator



CPI gyrotrons were the first commercially available high-power, long-pulse/CW, high-frequency devices for plasma fusion experiments and other scientific and industrial applications. CPI-MPP provides an extensive line of gyrotrons that cover frequencies from 28-140 GHz with power levels ranging from 10 kW to 1.3 MW.

The VGB-8095 gyrotron provides up to 100 kW of continuous output power at 95 GHz, and employs a compact cryogen-free refrigerator-cooled superconducting magnet system.





Features

- · High Efficiency, Long-Pulse Operation
- Gaussian Output Beam
- · CVD Diamond Output Window
- Diode Electron Gun
- Cryogen-Free Superconducting Magnet

Typical Operating Parameters

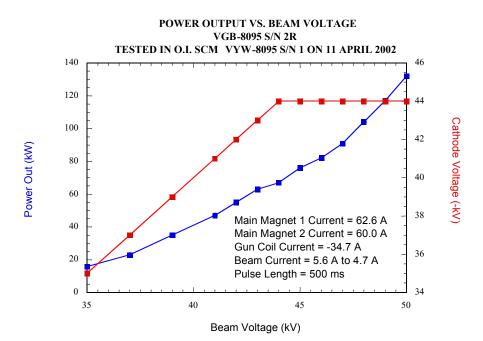
| Power Output Pulse Length | 100 kW CW |
|------------------------------|-------------------|
| Cathode Voltage | -43 kV |
| Body Voltage | +7 kV |
| Beam Current | 5 A |
| Frequency | 95±0.2 GHz |
| Efficiency | 50% |
| Gyrotron Weight | 375 lbs |
| Output Mode | TEM _{oo} |

For additional information on gyrotrons, other CPI products, or a copy of our catalog-on-disk, please contact: CPI Microwave Power Products, 811 Hansen Way, Palo Alto, CA 94303-0750 Telephone: 650-846-3172, Fax: 650-856-0705, Email: marketing@cpii.com

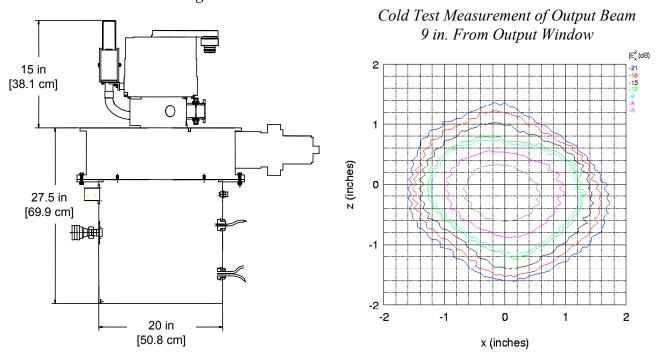
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Outline of VGB-8095 Gyrotron and VYW-8095 Magnet



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