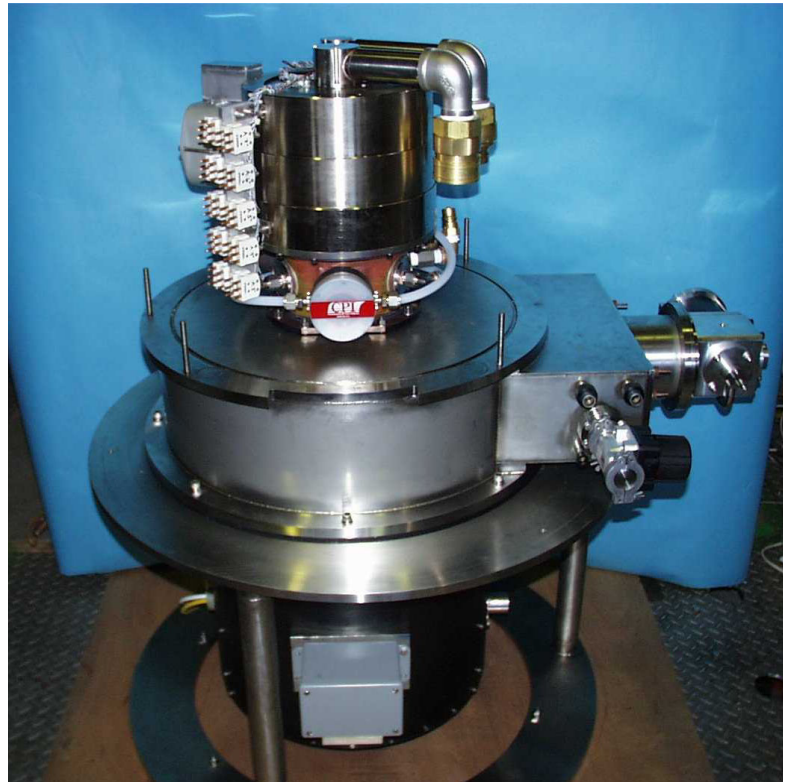


VGB-8095 Gyrotron Oscillator



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

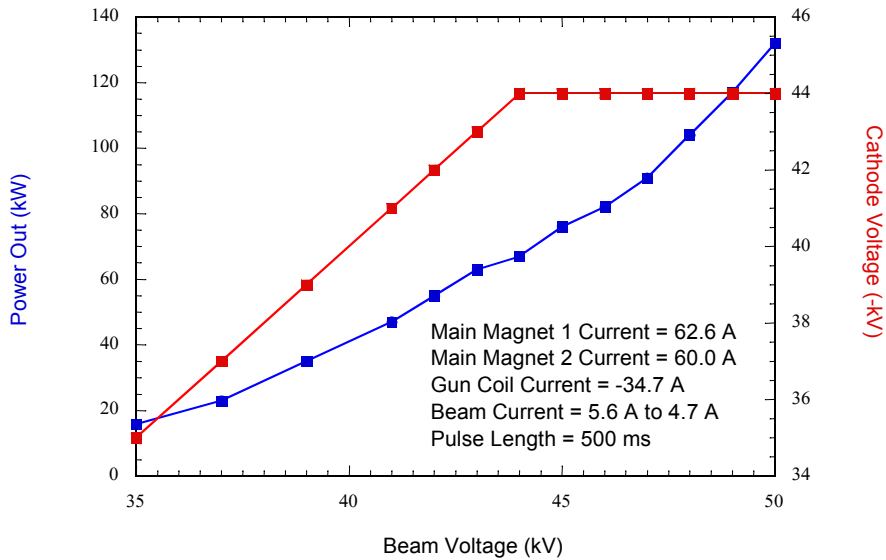
Power Output	100 kW
Pulse Length	CW
Cathode Voltage	-43 kV
Body Voltage	+7 kV
Beam Current	5 A
Frequency	95±0.2 GHz
Efficiency	50%
Gyrotron Weight	375 lbs
Output Mode	TEM ₀₀

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

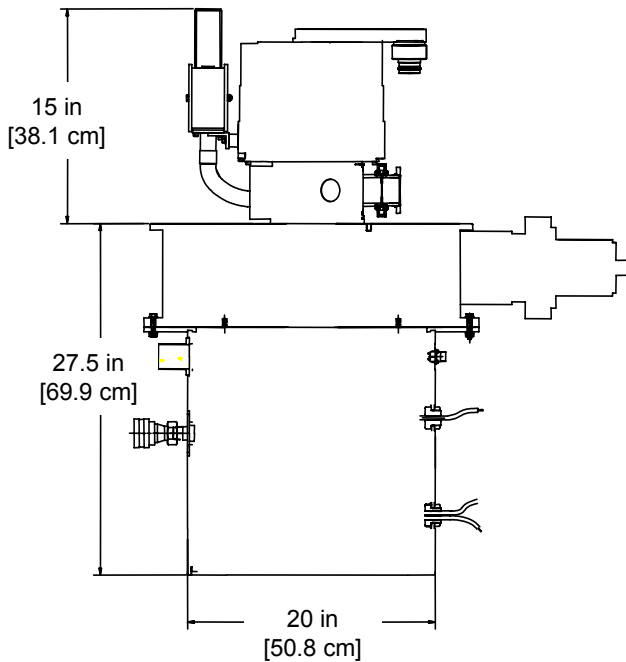
VGB-8095 Gyrotron Oscillator



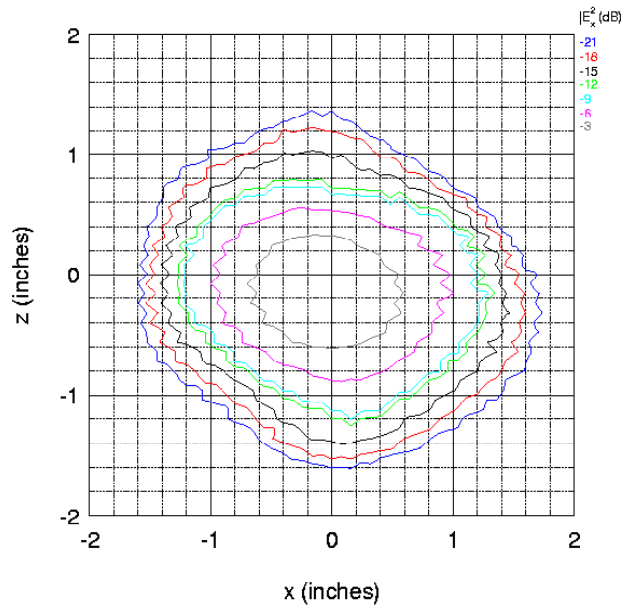
POWER OUTPUT VS. BEAM VOLTAGE
VGB-8095 S/N 2R
TESTED IN O.I. SCM VYW-8095 S/N 1 ON 11 APRIL 2002



Outline of VGB-8095 Gyrotron and VYW-8095 Magnet



Cold Test Measurement of Output Beam 9 in. From Output Window



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