

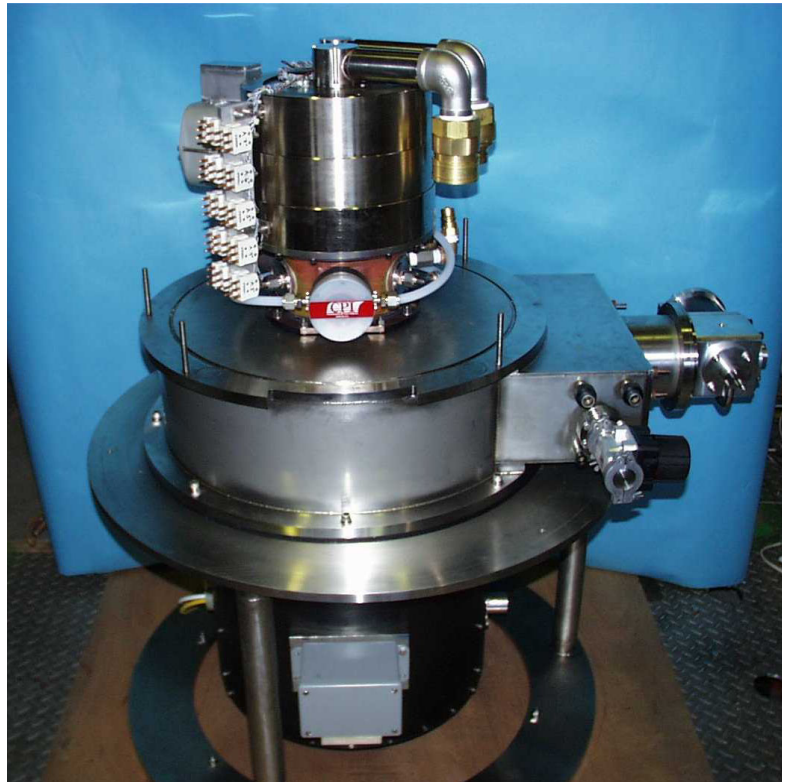
# VGB-8095 Gyrotron Oscillator

[www.DataSheet4U.com](http://www.DataSheet4U.com)



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 <sub>00</sub>

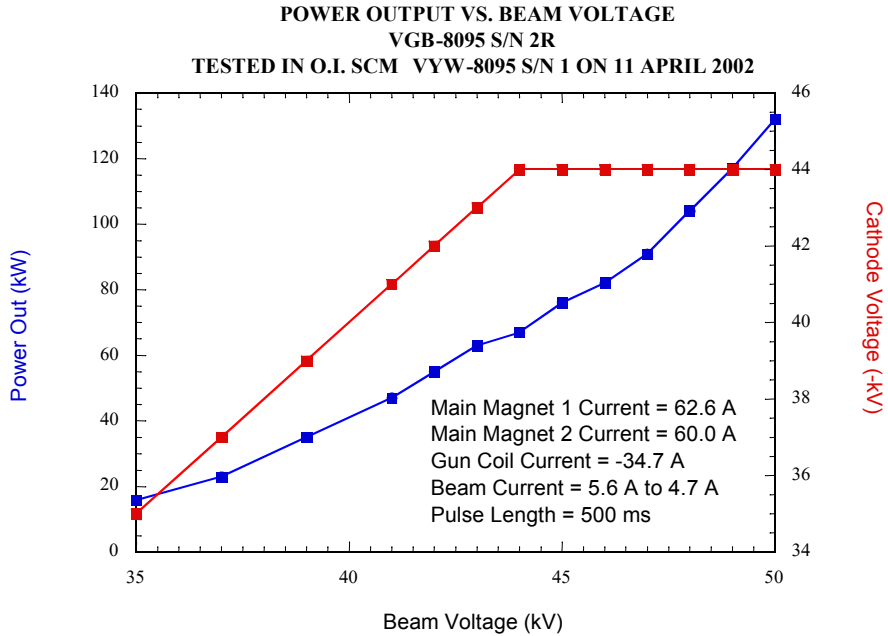
For additional information on gyrotrons, other CPI products, or a copy of our catalog-on-disk, please contact:

CPI Microwave Power Products, 811 Hansen Way, Palo Alto, CA 94303-0750

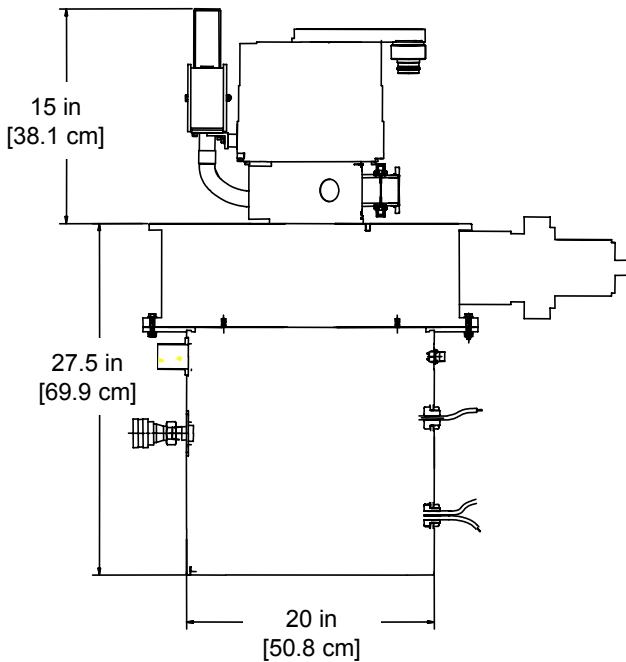
Telephone: 650-846-3172, Fax: 650-856-0705, Email: [marketing@cpim.com](mailto:marketing@cpim.com) [www.DataSheet4U.com](http://www.DataSheet4U.com)

# VGB-8095 Gyrotron Oscillator

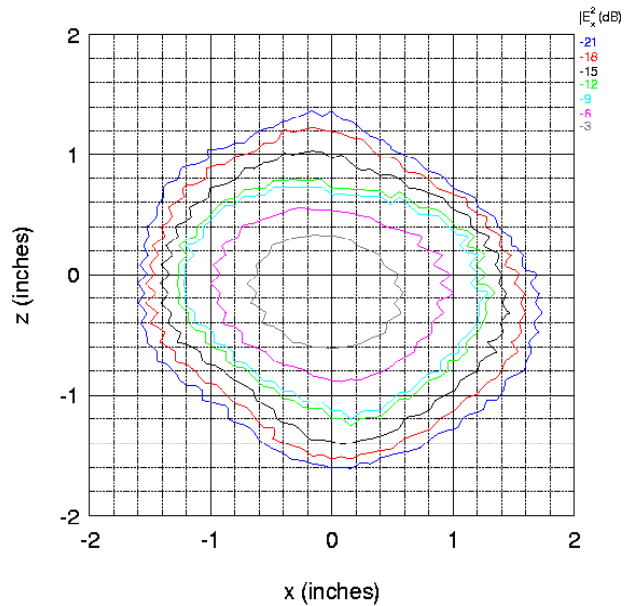
www.DataSheet4U.com



*Outline of VGB-8095 Gyrotron and VYW-8095 Magnet*



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



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](mailto:marketing@cpii.com) [www.DataSheet4U.com](http://www.DataSheet4U.com)