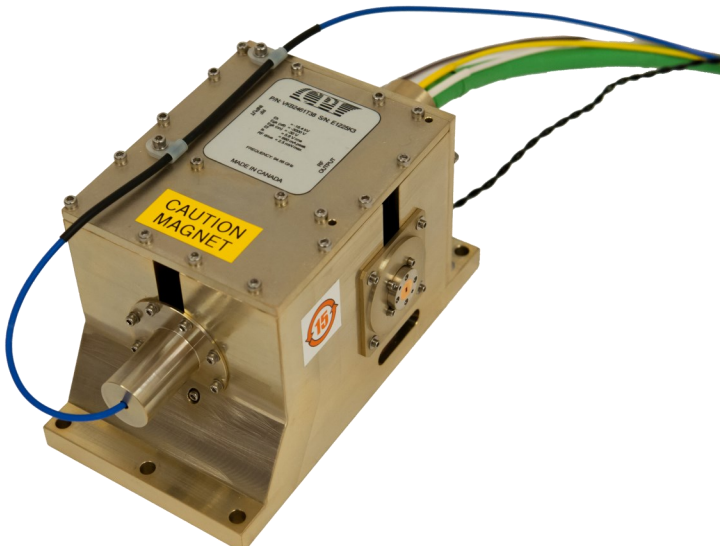
HIGH POWER mmW AMPLIFIER
95 GHz 1500 Watt Pulsed Amplifier

Model VKB2461 is a series of conduction cooled pulsed Extended Interaction Klystrons used for radar, instrumentation and scientific applications.

Frequencies are available from 93 GHz to 96 GHz typically producing 1500 Watts peak power with a 1dB bandwidth of 280 MHz. This high gain vacuum electron device is remarkably compact, exceptional reliability and has a highly stable output.

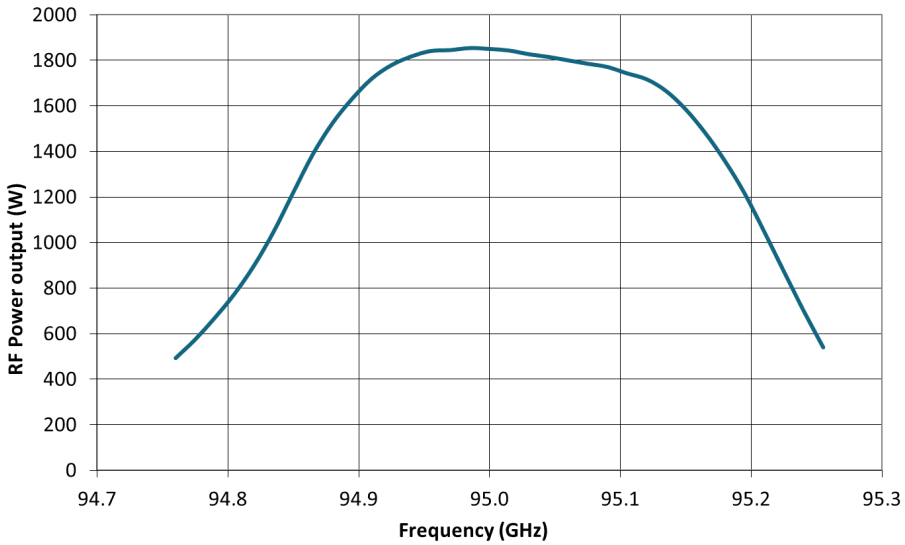
The VKB2461 series of EIKs may be integrated with the CPI VPW3493 series of power supply/ modulators resulting in a compact self-contained and highly reliable transmitter subsystem.

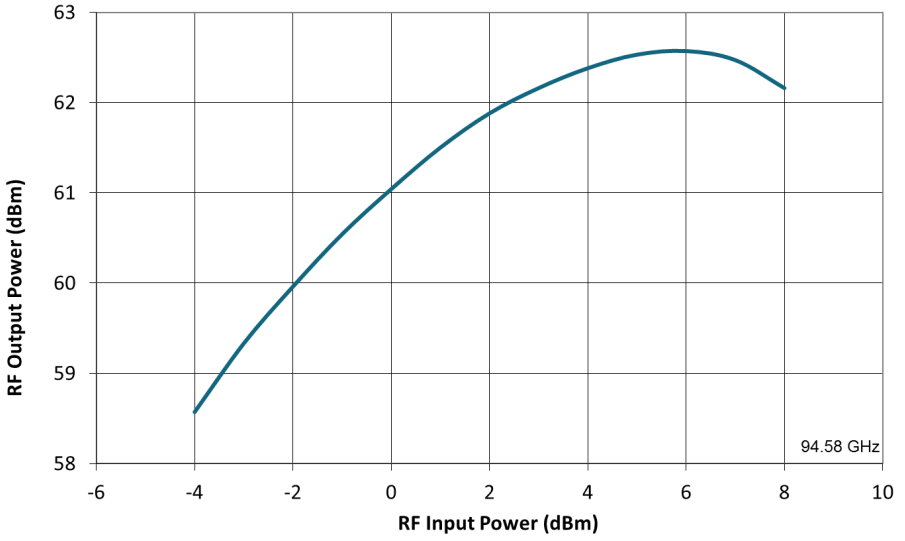


Model VKB2461

Features	
Center Frequency Range	93 to 96 GHz
Power Output (Peak)	1,500 W
Bandwidth (-1dB)	280 MHz
Drive Power Saturation	5 mW
Cathode Voltage	-16.5 kV
Cathode Current	600 mA
Temperature Operating	0 to +50 °C
Temperature Non-operating	-40 to +60 °C
Humidity	95% relative non-condensing
Altitude	3,000 m

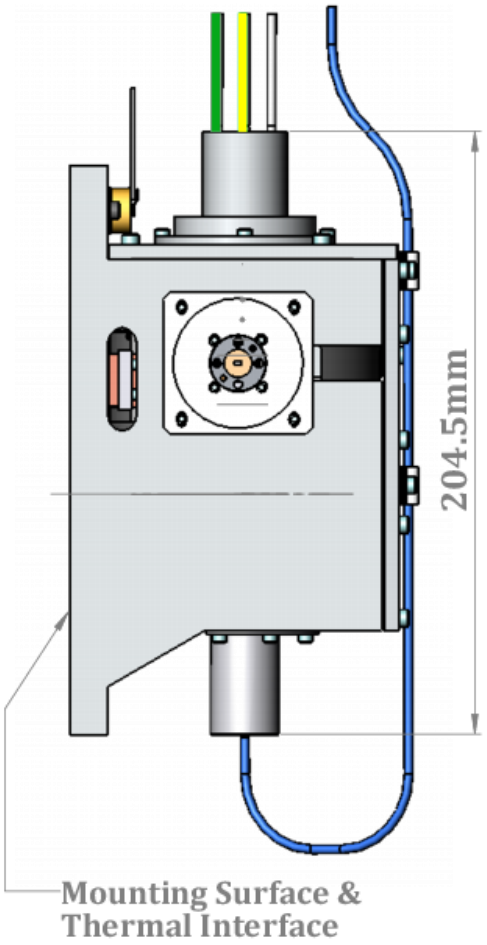
Pulse Capability	
Pulse Voltage	+3.0 kV
Pulse Width	Up to 15 µs
Duty Cycle	Up to 6%
Rise/Fall Time	10 ns

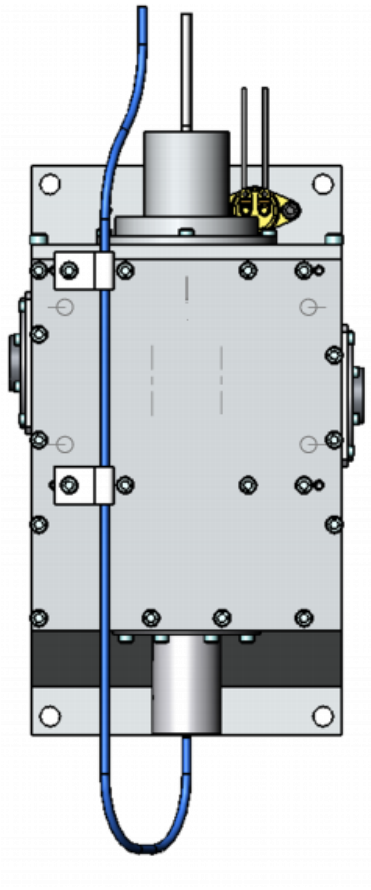


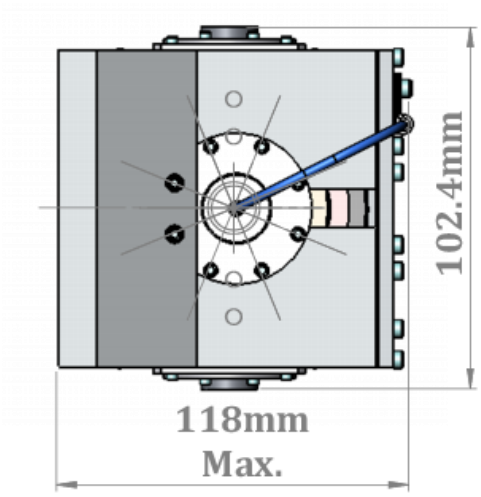


The values listed represent typical performance. Formal controlled specifications for use in equipment design may be obtained from CPI

CANmarketing@cpii.com **www.cpii.com** **+1-905-877-0161**







Mechanical	
Waveguides	WR-10
Flanges	Rectangular, compatible with UG‑387/U
Power Supply Connections	Color Coded Flying Leads 450 mm Max. Length
Weight	7.0 kg Max.

Options
Fixed Center Frequency in the range of 93 – 96 GHz
Space Qualified and Air-borne EIKs
Power Supply, DC or AC Prime Power
Duty Cycle up to 6%

©CPI 2015
CPI Canada
45 River Dr, Georgetown, ON, L7G 2J4, Canada