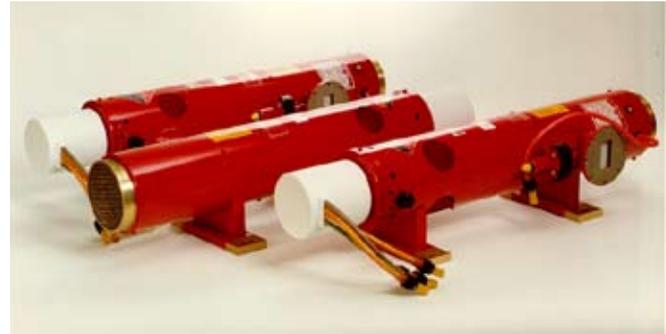


The VTC-5762B5 pulsed-coupled cavity TWT covers 5.25 to 5.35 GHz international and 5.60 to 5.65 GHz domestic weather RADAR bands in a single unit. This TWT puts out 12 kW peak output power at 4% duty cycle and 150uSEC duration. This device has a non-intercepting grid pulsed and single depressed collector to achieve high efficiency.

Custom configurations and bandwidths within the 5.20 - 5.90 GHz weather RADAR band. Other variations in the performance and configuration include cooling method (affects average power level), mechanical configuration, electrical and RF connections and integration of multi stage depressed collectors.

Designed for next generation pulse compressed weather RADAR.

- **Spectrum friendly operation**
- **Environmental/Radiation friendly**
 - **over a magnitude reduction in peak power with the same ERP**



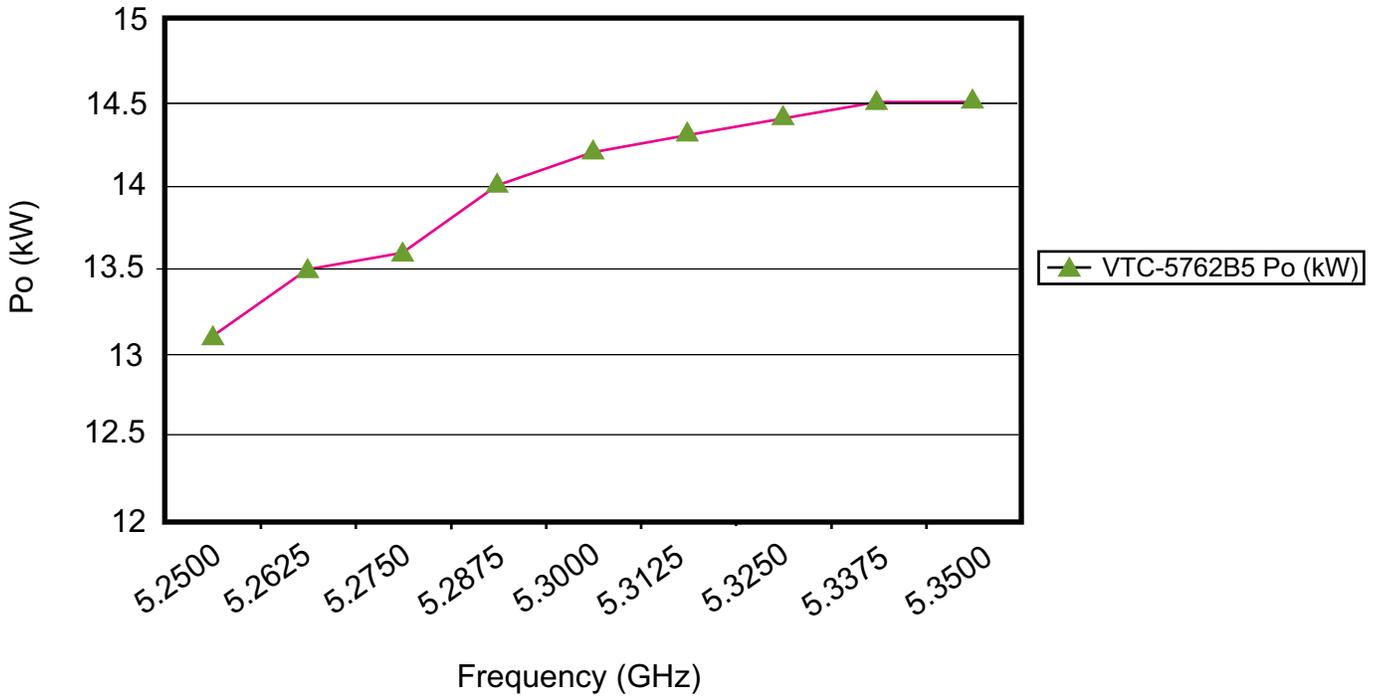
FEATURES
• 5.2 to 5.9 GHz
• 12 kW Peak Output Power
• 4% Duty Cycle
• 47 dB Typical Gain
• Size approximately 28" x 7" x 5.3"
• Designed for the Weather RADAR Market
• Periodic Permanent Magnet Focusing
• Forced Air Cooled
• Grid Modulated
• Depressed Collector

	ABSOLUTE RATINGS										
	Ion Pump Voltage	Heater Voltage	Heater Surge Current	Cathode Voltage	Peak Cathode Current	Collector Voltage	Grid Pulse Voltage	Grid Bias Voltage	RF Power Input	Peak Body Current	RF Duty Cycle
Symbol	Eip	Ef	Ih(s)	Ek	ik	Eb	ec	Ec	Pd	iw	Du
Units	kV	V	A	kV	a	kV	v	V	W	a	---
Maximum	3.5	12.0	15	---	5.5	15	500	---	12		.042
Minimum	---	---	---	-26	---	---	---	-1000	2	2.0	---
Notes		3	3	4					13		

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



For information on this and other CPI products, visit our website at: www.cpii.com, or contact: CPI MPP Division, 607 Hansen Way, Palo Alto, CA 94303
TELEPHONE: 1(800) 414-8823. **FAX:** (650) 856-0705 | **EMAIL:** marketing@cpii.com



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