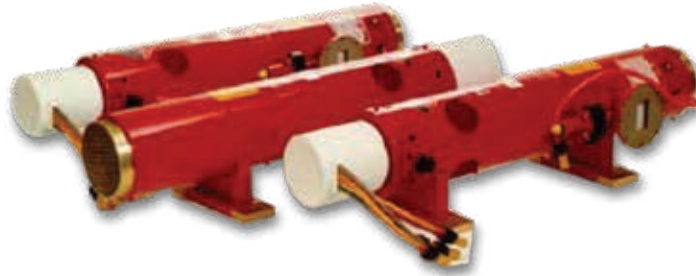


## Communications & Power Industries Coupled Cavity TWT



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 de-pressed 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

### BENEFITS:

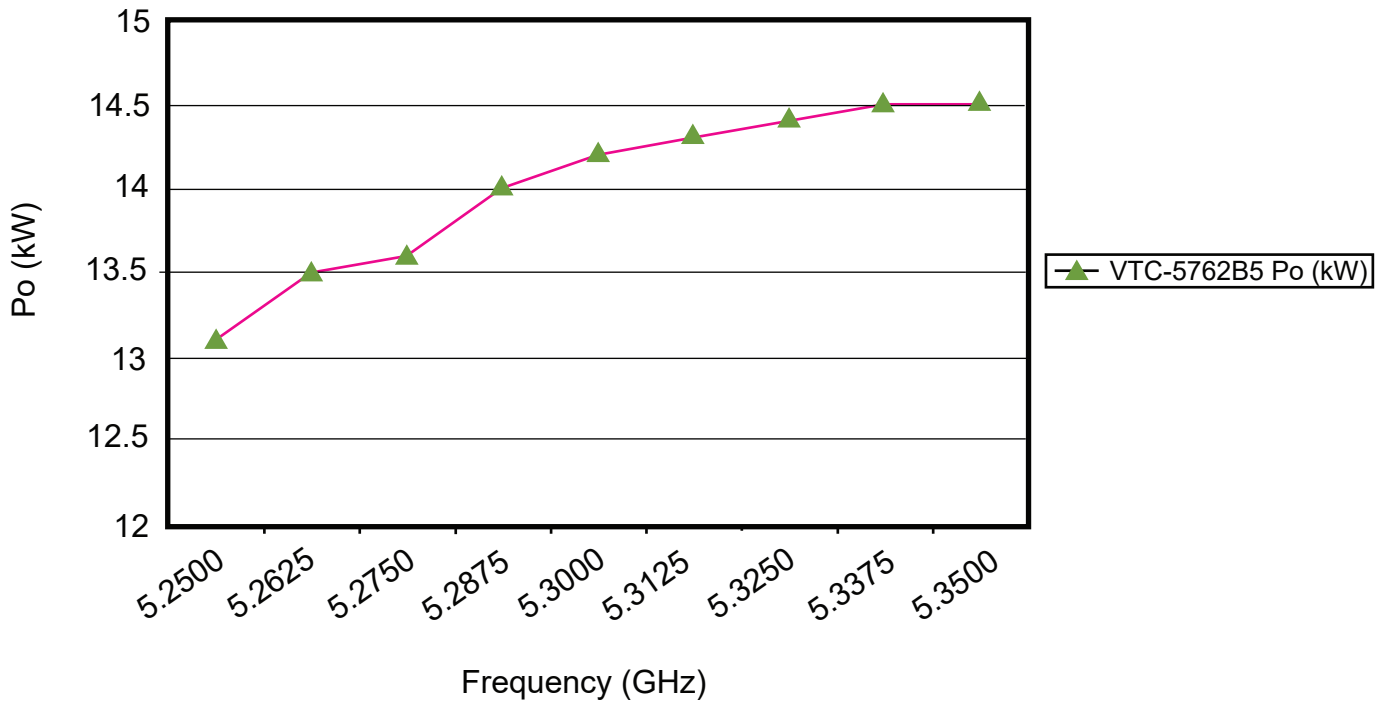
- Efficient
- Bandwidth
- Over 40 years of technical expertise

### APPLICATIONS:

- Ground radars

	ABSOLUTE RATINGS						Lorem ipsum				
	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	If(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		

# CPI 12 kW Pulsed Coupled Cavity TWT: VTC-5762B5



With a history of producing high quality products, we can help you with CCTWT.  
**Contact us at [MPPMarketing@cpii.com](mailto:MPPMarketing@cpii.com) or call us at +1 650-846-2800.**

The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



**Microwave Power  
Products Division**  
3120 Hansen Way  
Palo Alto, California  
USA 94303

tel +1 650-846-2800  
fax +1 650-856-0705  
email [MPPMarketing@cpii.com](mailto:MPPMarketing@cpii.com)  
web [www.cpii.com/MPP](http://www.cpii.com/MPP)

For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

©2020 Communications & Power Industries LLC. Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI.