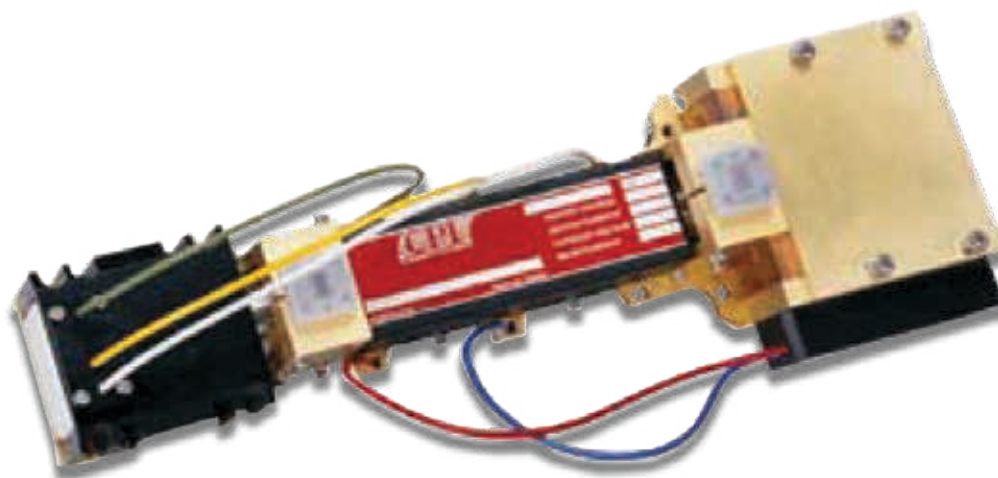


## Communications & Power Industries Coupled Cavity TWT



MODEL	FREQUENCY (GHz)	POWER OUTPUT (MIN)
VTA-6430A1	27.5-31.0	500 W CW

The VTA-6430A Series are 500W CW Coupled Cavity TWT's covering 27.5 - 31.0 GHz (Ka-Band) with 2 GHz instantaneous bandwidth, periodic-permanent-magnet focused, wave-guide input, waveguide output, conduction cooled. This high-efficiency CC TWT is designed for use in satellite communication amplifiers

Custom configurations are also available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections, and cooling method (affects average power level).

### FEATURES:

- 500 W CW
- 27.5 - 31.0 GHz
- 2 GHz Instantaneous bandwidth
- PPM focusing
- Waveguide input and output (WG-28 compatible with UG-599/U)
- Vertical or horizontal mounting position
- Weight: 10 lbs.
- Conduction cooled

### BENEFITS:

- Efficient
- Bandwidth
- Over 40 years of technical expertise

### APPLICATIONS:

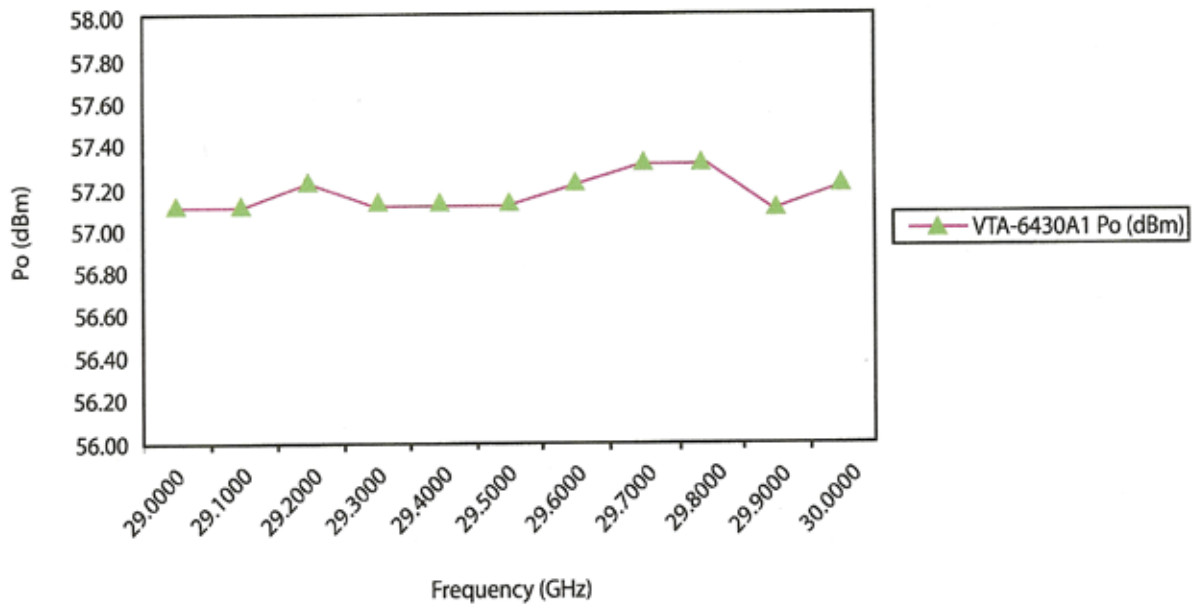
- Ground radars

# CPI 500 W CW Milimeter Wave CCTWT: VTA-6430A

## TYPICAL OPERATING PARAMETERS

	MAXIMUM	MINIMUM	TYPICAL	UNITS
Filament Voltage:	6.4	6.2	---	Vdc
Filament Current:	1.6 (Surge: 5.0)	1.0	---	Adc
Focus Electrode Voltage:	-6.3	-100	---	Vdc
Beam Voltage:	14.5	13.5	---	kVdc
Cathode Current:	350	---	---	mAdc
Body Current	6.0	---	---	mAdc
Collector Voltage 1:	36.0	34.0	---	% of Ew
Collector Current 1:	100	---	---	mA
Collector Voltage 2:	13.5	11.5	---	% of Ew
Collector Current 2:	350	---	---	mA
Filament Warm-up Time:	3.0	---	---	Minutes

VTA-6430A1 Po (dBm)



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.



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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.

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