Communications & Power Industries Helix Traveling Wave Tube



Custom configurations are also available. These variations in the performance and configuration include:

- mechanical configurations
- electrical and RF connections
- dual-stage depressed collector

	Frequency (GHz)	Power output (min)
VTC-6368L4	5.85 - 6.65	2.25 kW
VTC-6368L5	5.725 - 6.725	2.25 kW
VTC-6368L6	5.850 - 6.725	2.25 kW

FEATURES:

- 2.25 kW peak at 50% duty, 1.2 kW avg. CW
- 5.850 6.725 GHz
- PPM focusing
- Coaxial input
- Waveguide output
- Any mounting position
- Weight: 30 lbs. max
- Forced-air cooled

BENEFITS:

- High efficiency
 - Less prime power required (due to multiple stage collectors)
- PPM focusing

APPLICATIONS:

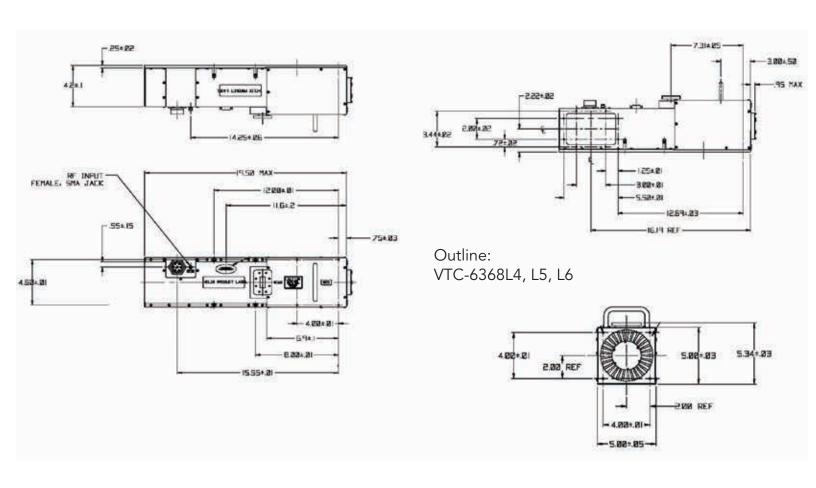
- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

Typical Operating Parameters

•	Minimum	Maximum	Typical	Units
Heater voltage	5.7	6.6		Vdc
Heater surge current		5.0		А
Helix voltage	14.0	15.3		kVdc
Helix current		25		mAdc
Collector voltage 1	64% of Ew	66% of Ew		kVdc
Collector current 1		500		mAdc
Collector voltage 2	12% of Ew	14% of Ew		kVdc
Collector current 2		900		mAdc
Cathode warm-up time	3.0			minutes
Collector temp		150		°C
Prime power		4500		W
Load VSWR		1.3:1		VSWR
Air flow		500		lb/hr



CPI CW Helix Traveling Wave Tube: VTC-6368L4, L5, L6



With a history of producing high quality products, we can help you with your Helix TWT. Contact us at 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 811 Hansen Way Palo Alto, California USA 94304 tel +1 650-846-2800 email MPPMarketing@cpii.com web 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.

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