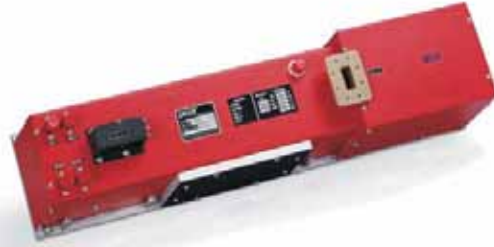




## 2.25 kW Peak, 1.2 kW Avg C-Band Helix TWT Series

2.25 kW Peak, 1.2 kW Avg Helix TWT Series, 5.850 to 6.725 GHz, periodic-permanent, magnet focused, coaxial input, waveguide output, forced-air cooled.

Custom configurations are also available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections, and dual-stage depressed collector.



### FEATURES

- 2.25 kW Peak, 1200 W Avg.
- 5.850 - 6.725 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 25 lbs. max
- Forced-Air Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT	
		PEAK	AVG.
VTC-6368L4	5.85 - 6.65	2.25 kW	1.20 kW
VTC--6368L5	5.75 - 6.75	2.25 kW	1.20 kW
VTC-6368L6	5.85 - 6.725	2.25 kW	1.20 kW

### TYPICAL OPERATING PARAMETERS

	MAXIMUM	MINIMUM	TYPICAL	UNITS
Heater Voltage:	6.6	6.0	---	Vdc
Heater Surge Current:	5.0	---	---	A
Helix Voltage:	15.3	14.4	---	kVdc
Helix Current:	20	---	---	mAdc
Collector Voltage 1:	---	---	0.65% Ew	kVdc
Collector Current 1:	500	---	---	mAdc
Cathode Current:	---	---	---	mAdc
Collector Voltage 2:	---	---	0.13% Ew	kVdc
Collector Current 2:	650	---	---	mAdc
Cathode Warm-up Time:	---	3.0	---	Minutes
Drive Power:	---	---	---	mW
Collector Temp:	150	---	---	°C
Load VSWR:	1.7:1	---	---	VSWR
Air Flow:	495	---	---	lb/hr

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](http://www.cpii.com), or contact: CPI MPP Division, 607 Hansen Way, Palo Alto, CA 94303

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