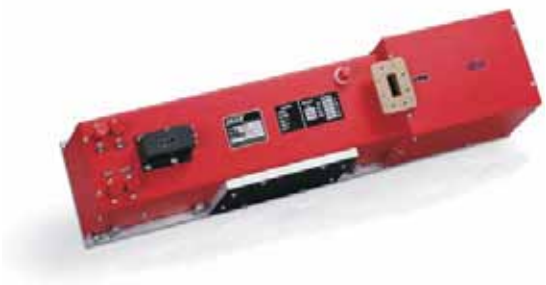
2.25 kW, C-Band Helix TWT Series

2.25 kW CW Helix TWT Series, 5.85 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
- 5.85 - 6.725 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 25 lbs. max
- Forced-Air Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTC-6369D3	5.85 - 6.65	2.25 kW
VTC-6369D4	5.85 - 6.65	2.25 kW
VTC-6369D5	5.85 - 6.725	2.25 kW

TYPICAL OPERATING PARAMETERS

	MAXIMUM	MINIMUM	TYPICAL	UNITS
Heater Voltage:	**6.6**	**6.0**	**---**	**Vdc**
Heater Surge Current:	**5.0**	**---**	**---**	**A**
Helix Voltage:	**15.5**	**14.0**	**---**	**kVdc**
Helix Current:	**25**	**---**	**---**	**mAdc**
Collector Voltage 1:	**67% Ew**	**63% Ew**	**---**	**kVdc**
Collector Current 1:	**990**	**---**	**---**	**mAdc**
Cathode Current:	**---**	**---**	**---**	**mAdc**
Collector Voltage 2:	**32% Ew**	**28% 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:	**828**	**---**	**---**	**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.

ISO 9001

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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