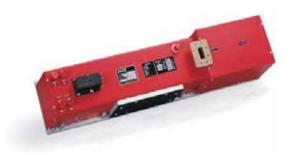


2.25 kW, C-Band Helix TWT Series

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.

