

# 2.25 kW, C-Band Helix TWT Series

2.25 kW, CW Helix TWT Series, 5.85 GHz to 6.65 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input, Waveguide Output, and Forced Air Cooled.

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



Model Number	Frequency (GHz)	Power Output (Min.)
VTC-6369D5	5.85 – 6.725	2.25 kW
VTC-6369D4	5.85 – 6.65	2.25 kW

## Features

- 2.25 k Watts
- 5.85 GHz – 6.65 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 25 lbs. max
- Forced Air Cooled

## Operating Parameters

	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage 1	Collector Voltage 2	Collector Current 1
<b>Parameters:</b>	Ef	If	Ew	Eb1	Eb2	Ib1
<b>Units:</b>	Vdc	A	kVdc	kVdc	kVdc	mAdc
<b>Maximum:</b>	6.6	5.0	15.5	0.67% Ew	0.32% Ew	990
<b>Minimum:</b>	6.0	---	14.0	0.63% Ew	0.28% Ew	---
<b>Typical:</b>						

	Collector Current 2	Helix Current	Drive Power	Cathode Warm-Up Time	Load VSWR	Collector Temp.	Air Flow
<b>Parameters:</b>	Ib2	Iw	Pd	tk			
<b>Units:</b>	mAdc	mAdc	mW	minutes		°C	lb/hr
<b>Maximum:</b>	650	25	Adj.	---	1.7:1	150	---
<b>Minimum:</b>	---	---	Adj.	3	---	---	828
<b>Typical:</b>							

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 additional information on CPI MPP products contact:

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