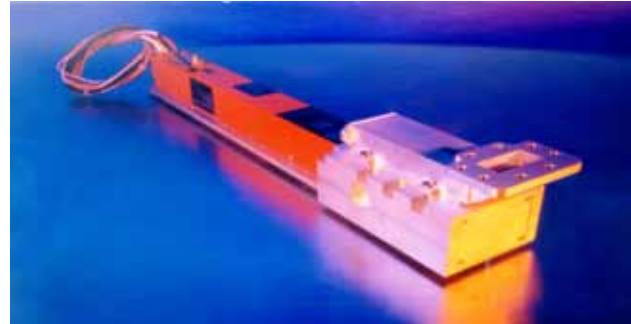


# 400 W, C-Band Helix TWT Series

400 Watt, 5.725 - 7.10 GHz, CW traveling wave tube, periodic-permanent-magnet focused, coaxial input, waveguide output, conduction 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

- 400 Watt
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Weight: 7.5 lbs. max
- Conduction Cooled
- Dual Stage Collector

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTC-6264D4	5.85 - 7.1	400 W
VTC-6264D2C	5.85 - 7.1	400 W
VTC-6264D5C	5.725 - 5.825	400 W

TYPICAL OPERATING PARAMETERS				
	MAXIMUM	MINIMUM	TYPICAL	UNITS
<b>Filament Voltage:</b>	6.3	5.9	---	Vdc
<b>Filament Current:</b>	1.8	1.0	1.4	A
<b>Helix Voltage:</b>	9.1	8.4	8.8	kVdc
<b>Helix Current:</b>	15	---	6	mAdc
<b>Collector Voltage 1:</b>	.55 Ew	.49 Ew	.50 Ew	kVdc
<b>Collector Current 1:</b>	175	---	125	mAdc
<b>Cathode Current:</b>	310	---	290	mAdc
<b>Collector Voltage 2:</b>	.35 Ew	.31 Ew	.32 Ew	kVdc
<b>Collector Current 2:</b>	310	---	160	mAdc
<b>Cathode Warm-up Time:</b>	---	3	3	Minutes
<b>Drive Power:</b>	10	---	6	mW
<b>Baseplate Temp:</b>	120	---	85	°C
<b>Prime Power:</b>	---	---	---	Watts
<b>Load VSWR:</b>	1.5:1	---	<1.25	VSWR

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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