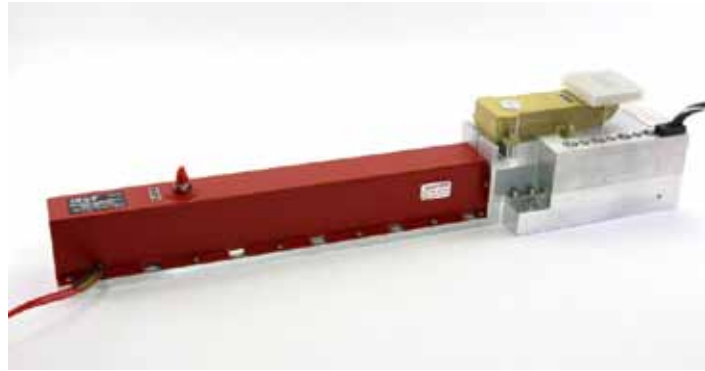


# 750 W, X-Band Helix TWT Series

750 Watt, 7.9-8.4 GHz CW high efficiency traveling wave tube, coaxial input, waveguide output, conduction cooled or 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

- 750 Watt
- Coaxial Input
- Waveguide Output
- Weight: 8 lbs. max
- Conduction Cooled or Air Cooled
- Dual-Stage Collector

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)	COOLING
VTX-6361F1	7.9 - 8.4	750 W	Conduction
VTX-6361P1	7.9 - 8.4	750 W	Air
VTC-6362A4	7.9 - 8.4	750 W	Conduction

TYPICAL OPERATING PARAMETERS				
	MINIMUM	MAXIMUM	TYPICAL	UNITS
Filament Voltage:	6.2	6.4	6.3	Vdc
Filament Current:	1.0	1.8	1.4	A
Helix Voltage:	10.5	11.5	11.0	kV
Helix Current:	---	10	5.0	mA
Collector Voltage 1:	54	56	55	%
Collector Current 1:	---	40 dc/320 rf	20 dc / 230 rf	mA
Collector Voltage 2:	25	27	26	%
Collector Current 2:	---	460	---	mA
Cathode Warm-up Time:	3.0	---	---	Minutes
Drive Power:	---	20	17	dBm
Baseplate Temp:	---	120	---	°C
Prime Power:	---	2200	2100	Watts
Load VSWR:	---	1.2:1	---	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

TELEPHONE: 1(800) 414-8823. FAX: (650) 856-0705 | EMAIL: [marketing@cpii.com](mailto:marketing@cpii.com)