



# 750 W, C-Band Helix TWT Series

750 Watt, 5.85 - 6.725 GHz, CW traveling wave tube, coaxial input, waveguide output, 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: 25 lbs. max
- Air Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTC-6361A3	5.85 - 6.725	750 W
VTC-6361D3A	5.85 - 7.1	750 W
VTC-6361D5	5.85 - 6.725	750 W

TYPICAL OPERATING PARAMETERS				
	MAXIMUM	MINIMUM	TYPICAL	UNITS
<b>Filament Voltage:</b>	6.4	6.2	---	Vdc
<b>Filament Current:</b>	1.8	1.0	---	A
<b>Helix Voltage:</b>	11.5	10.5	---	kVdc
<b>Helix Current:</b>	15.0	---	---	mA
<b>Collector Voltage 1:</b>	53.0	51.0	---	%
<b>Collector Current 1:</b>	240	---	---	mA
<b>Cathode Current:</b>	---	---	---	mAdc
<b>Collector Voltage 2:</b>	27.0	25.0	---	%
<b>Collector Current 2:</b>	460	---	---	mA
<b>Cathode Warm-up Time:</b>	---	3.0	---	Minutes
<b>Drive Power:</b>	22	---	---	dBm
<b>Baseplate Temp:</b>	---	---	---	°C
<b>Prime Power:</b>	2300	---	---	Watts
<b>Load VSWR:</b>	2.0	---	---	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.



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