700 W, C-Band Helix TWT Series

700 Watt, 5.85 - 6.425 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

- 700 Watt
- 5.85 GHz - 6.425 GHz
- Coaxial Input
- Waveguide Output
- Weight: 20 lbs. max.
- Air Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTC-6361B4	5.85 - 6.425	700 W
VTC-6361B5	5.85 - 6.425	700 W

TYPICAL OPERATING PARAMETERS

	MAXIMUM	MINIMUM	TYPICAL	UNITS
Filament Voltage:	**6.6**	**6.0**	**---**	**Vdc**
Filament Current:	**5.0**	**---**	**---**	**A**
Helix Voltage:	**11.9**	**10.2**	**---**	**kV**
Helix Current:	**25.0**	**---**	**---**	**mAdc**
Collector Voltage:	**7.35**	**6.0**	**---**	**kVdc**
Filament Warm-up Time:	**---**	**3.0**	**---**	**Minutes**
Drive Power:	**100**	**---**	**---**	**mW**
Load VSWR:	**1.7:1**	**---**	**---**	**VSWR**
Air Flow:	**---**	**450**	**---**	**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.

For information on this and other CPI products, visit our website at: **www.cpii.com**, or contact: CPI MPP Division, 607 Hansen Way, Palo Alto, CA 94303

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