



VTC-6161H4, 75 W, C-Band Helix TWT

75 Watt, 5.850 to 6.425 GHz, CW traveling wave tube, periodic-permanent-magnet focused, coaxial input, coaxial output, conduction cooled.

FEATURES

- 75 Watt
- Coaxial Input
- Coaxial Output
- Weight: 6 lbs. max
- Conduction Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTC-6164H4	5.85 - 6.425	75 W

TYPICAL OPERATING PARAMETERS				
	MAXIMUM	MINIMUM	TYPICAL	UNITS
Filament Voltage:	6.1	5.5	---	Vdc
Filament Current:	---	---	---	A
Helix Voltage:	5	4	---	kVdc
Collector Voltage:	3.0	2.3	---	kVdc
Cathode Current:	135	---	---	mAdc
Helix Current:	10	---	---	mAdc
Cathode Warm-up Time:	---	3.0	---	Minutes
Drive Power:	5	---	---	mW
Baseplate Temp:	105	---	---	°C
Load VSWR:	1.7:1	---	---	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.



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