Communications & Power Industries Helix Traveling Wave Tube

Custom configurations are also available. These variations in the performance and configuration include:

- mechanical configurations
- electrical and RF connections
- dual-stage depressed collector

	Frequency (GHz)	Power output (min)
VTC-6361H1	5.850 - 6.425	400 W
VTC-6361H1X	5.850 - 7.025	400 W

FEATURES:

- 400 W
- 5.85 GHz - 7.025 GHz
- Coaxial input
- Waveguide output
- Weight: 16 lbs.
- Air cooled

BENEFITS:

- High efficiency
  - Less prime power required (due to multiple stage collectors)
- PPM focusing

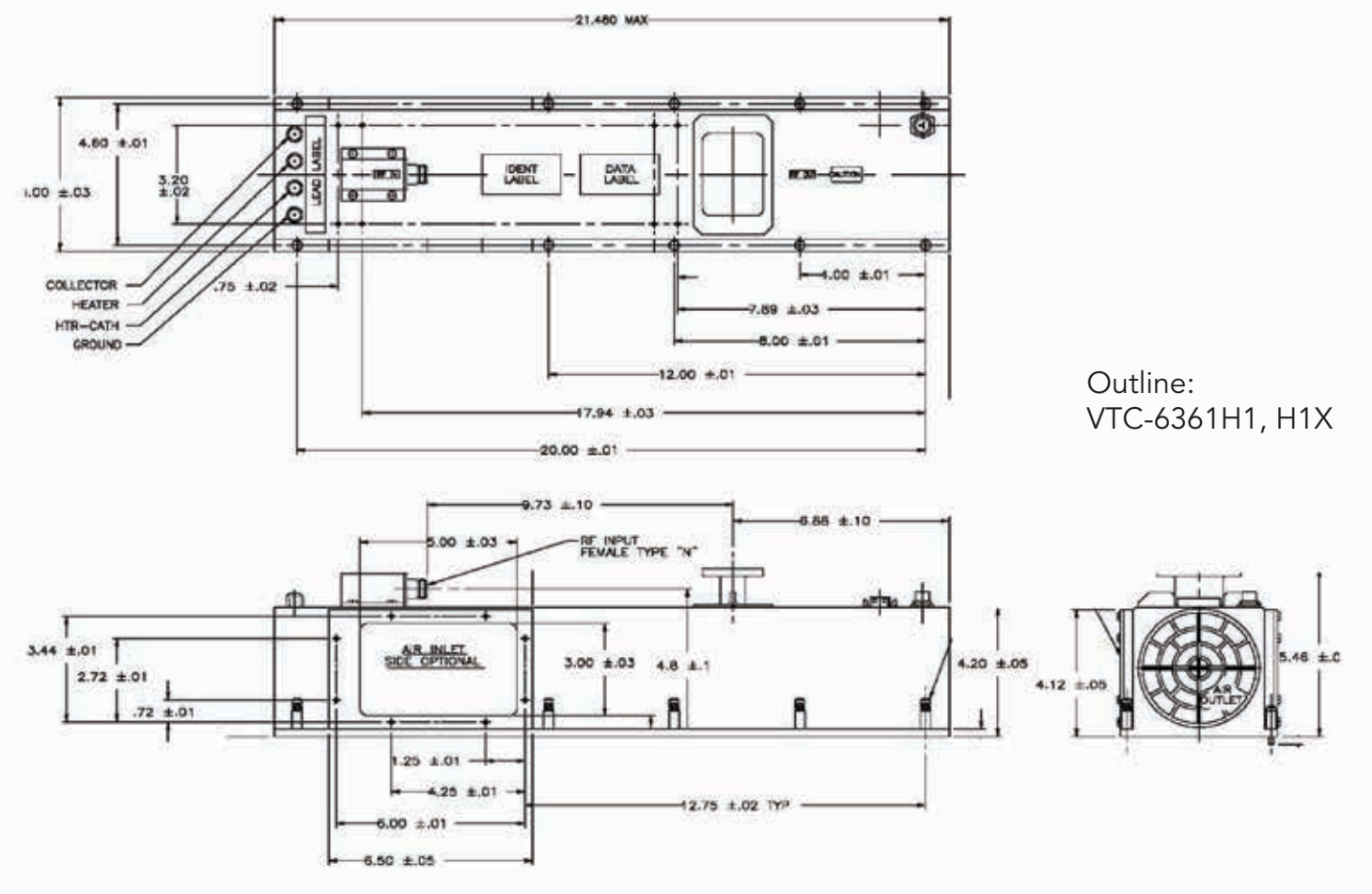
APPLICATIONS:

- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	6.0	6.6	---	Vdc
Heater surge current	---	5.0	---	A
Helix voltage	8.6	9.6	---	kVdc
Helix current	---	20.0	---	mAdc
Collector voltage	4.6	6.4	---	kVdc
Cathode current	---	350	---	mAdc
Heater warm-up time	3.0	---	---	minutes
Drive power	---	20	---	mW
Prime power	---	---	---	W
Load VSWR	---	1.7:1	---	VSWR
Air flow	360	---	---	Lb/hr

CPI CW Helix Traveling Wave Tube: VTC-6361H1, H1X



Outline:
VTC-6361H1, H1X

With a history of producing high quality products, we can help you with your Helix TWT.
Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800.

The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.

Communications & Power Industries

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