

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)
VTU-5192A7A	8.0 - 18.0	2 W

FEATURES:

- 2 kW
- 8.0 - 18.0 GHz
- Unigrid®-pulsed
- PPM focusing
- Coaxial input
- Waveguide output
- Weight: 7 lbs. max
- Conduction cooled

BENEFITS:

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

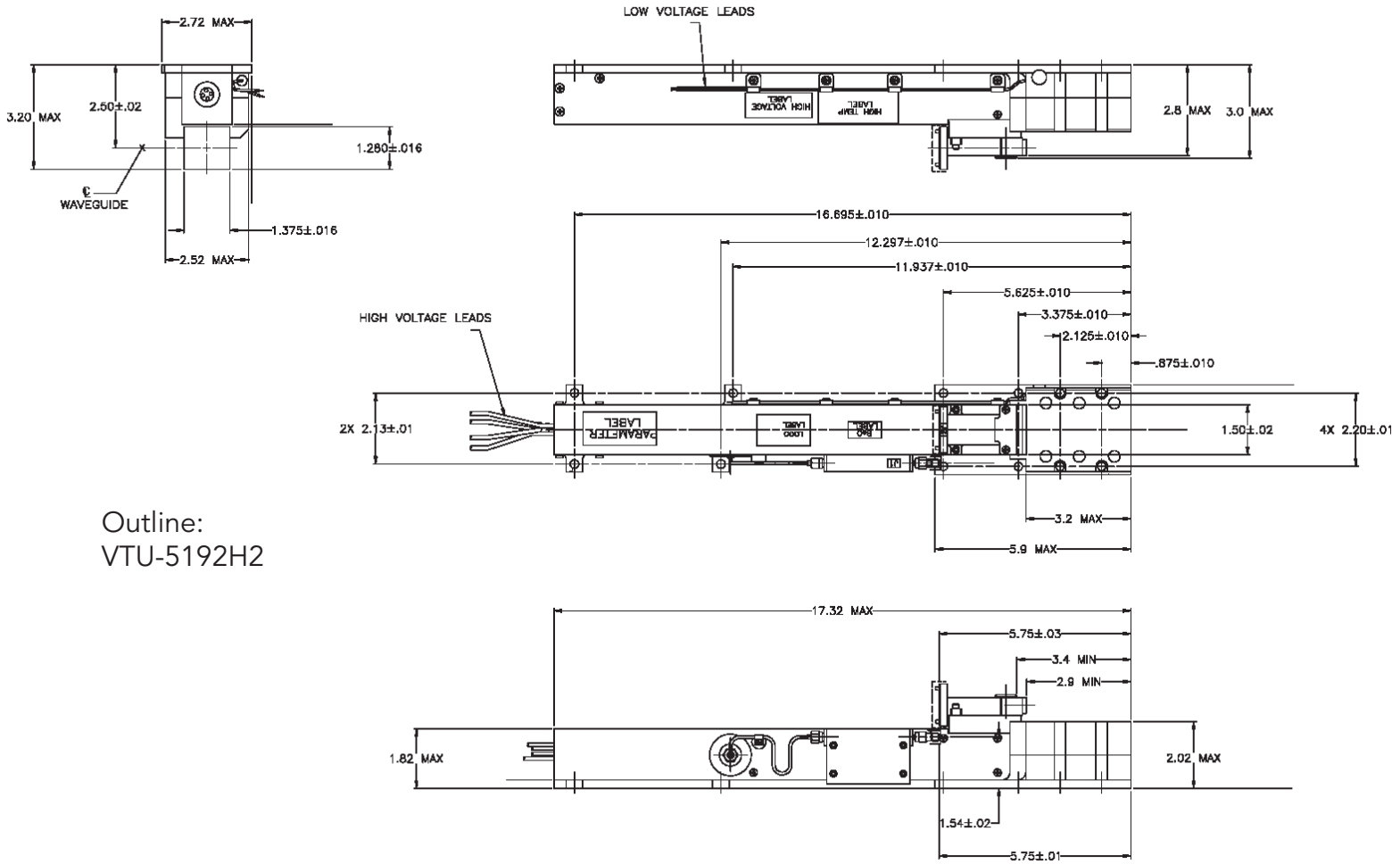
APPLICATIONS:

- 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	---	7.0	---	A
Helix voltage	10.8	12.2	---	kVdc
Helix current	---	500	---	mAdc
Collector voltage	7.3 Ew	---	---	kAdc
Beam current	---	2.0	---	A
Grid gate voltage	125	250	---	V
Grid bias voltage	-200	-250	---	Vdc
Cathode warm-up time	5.0	---	---	minutes
Drive power	---	25	---	dBm
Load VSWR	---	2.0:1	---	VSWR
Beam duty	---	4	---	%

CPI Pulsed Helix Traveling Wave Tube: VTU-5192H2



Outline:
VTU-5192H2

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.



**Microwave Power
Products Division**
811 Hansen Way
Palo Alto, California
USA 94304

tel +1 650-846-2800
email MPPMarketing@cpii.com
web www.cpii.com/MPP

For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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