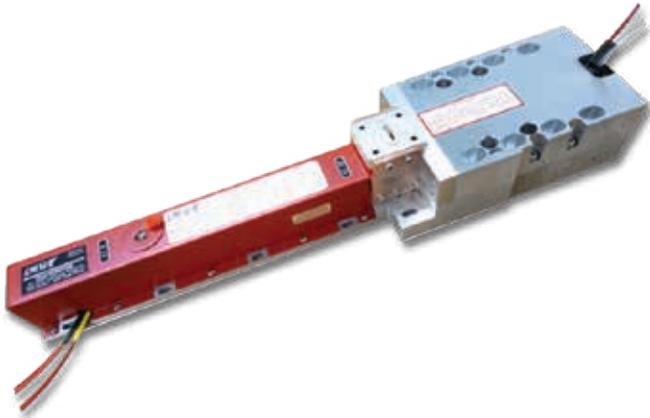


Communications & Power Industries Helix Traveling Wave Tube



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-6398D9C	17.3 - 18.4	1250 W Peak 625 W Avg.

FEATURES:

- 1250 W peak, 625 W avg.
- 17.3 GHz - 18.4 GHz
- Coaxial input
- Waveguide output
- Weight: 9.5 lbs. max
- Conduction cooled

BENEFITS:

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

APPLICATIONS:

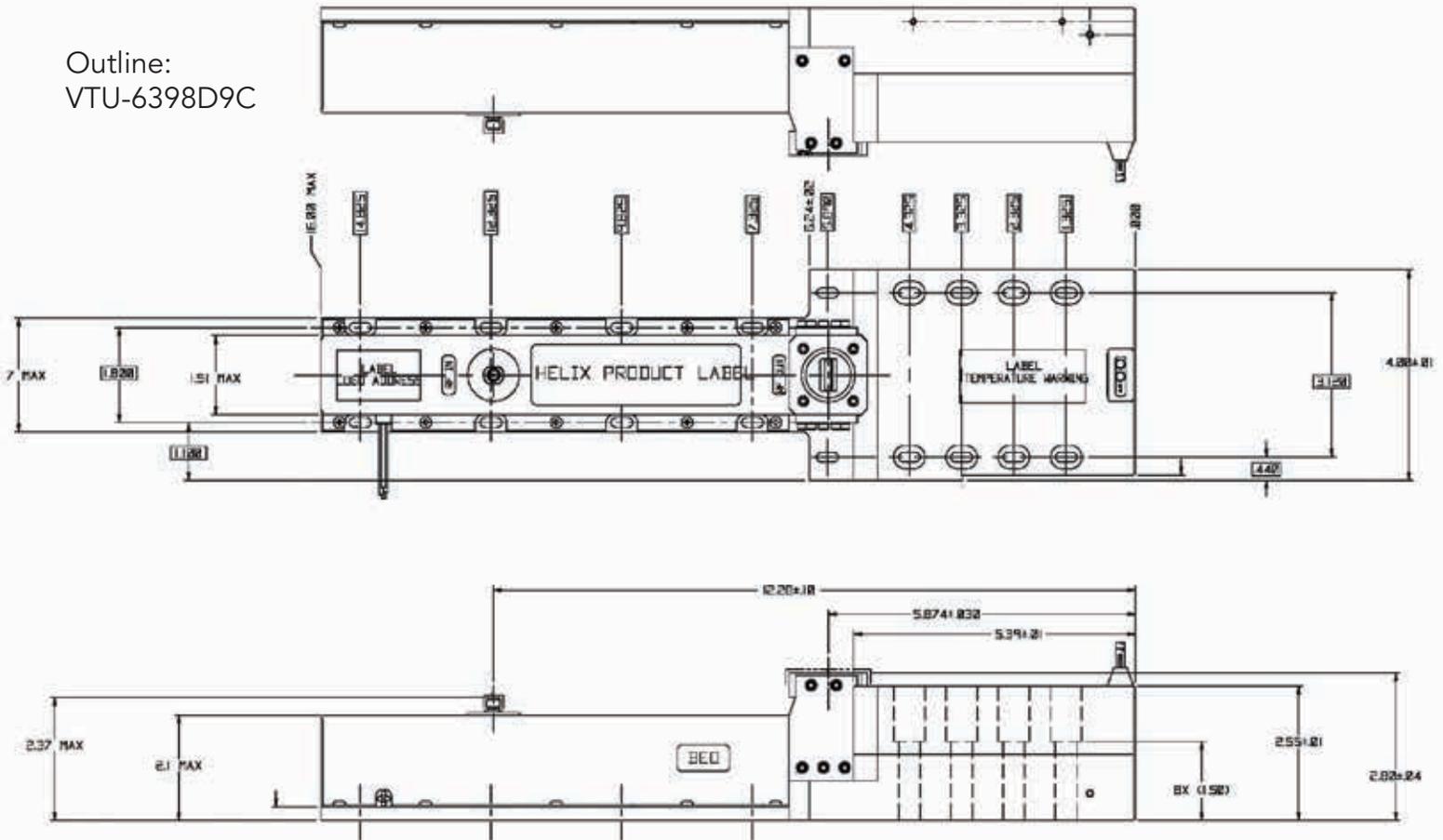
- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	6.1	6.4	6.3	Vdc
Heater surge current	1.0	1.8	1.4	A
Helix voltage	14.6	15.3	14.9	kVdc
Helix current	---	10.0	---	mAdc
Collector voltage 1	57.0	59.0	58.0	%
Collector current 1	---	350	---	mAdc
Collector voltage 2	12.0	14.0	13.0	%
Collector current 2	---	650	---	mAdc
Cathode warm-up time	3.0	---	---	minutes
Drive power	---	22	20	dBm
Prime power	---	2500	---	W
Thermal temperature	---	1875	---	W
Load VSWR	---	2.3:1	1.15:1	VSWR

CPI CW Helix Traveling Wave Tube: VTU-6398D9C

Outline:
VTU-6398D9C



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.



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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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