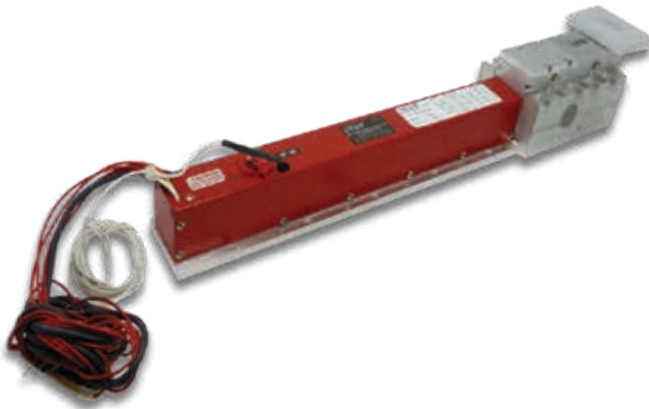


Communications & Power Industries Helix Traveling Wave Tube



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

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

FEATURES:

- 795 W
- 7.9 - 8.4 GHz
- Coaxial input
- Waveguide output
- Conduction cooled
- Weight: 9.5 lbs. max

BENEFITS:

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

APPLICATIONS:

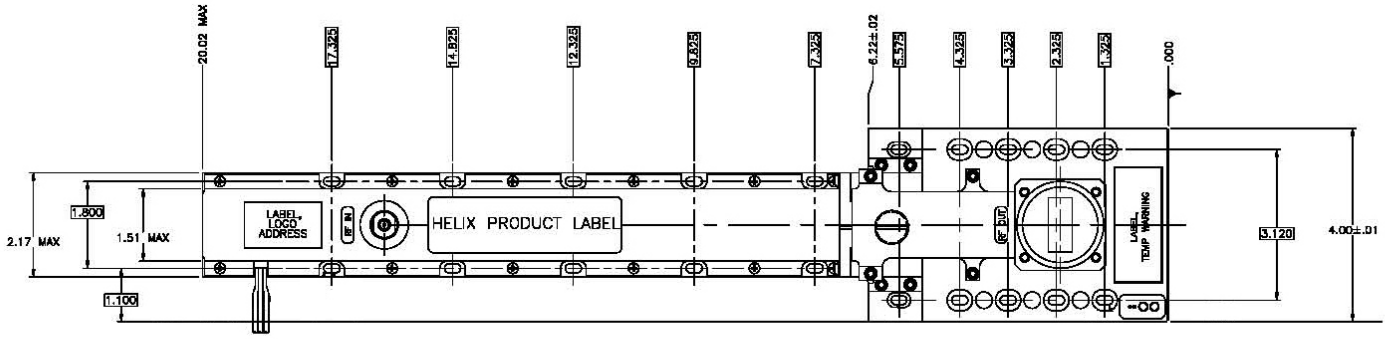
- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

	Frequency (GHz)	Power output (min)
VTX-6361F1	7.9 - 8.4	795 W

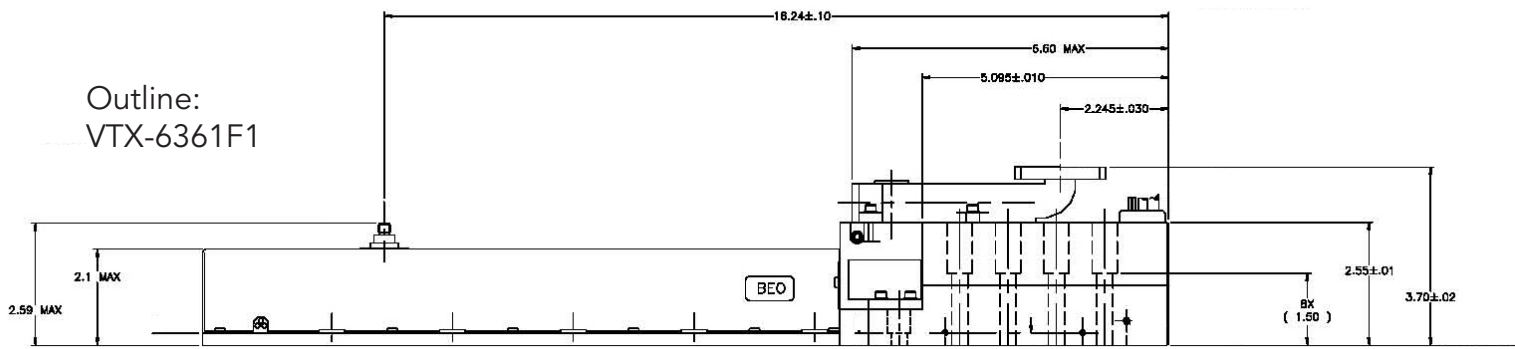
Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	6.0	6.4	---	Vdc
Heater surge current	1.0	1.8	---	A
Helix voltage	10.5	12.0	---	kVdc
Helix current	---	11.5	---	mAdc
Collector voltage 1	54% of Ew	56% of Ew	---	kVdc
Collector current 1	---	40 dc, 320 rf	---	mAdc
Collector voltage 2	25% of Ew	27% of Ew	---	kVdc
Collector current 2	---	460	---	mAdc
Cathode current	---	---	---	mAdc
Cathode warm-up time	--	3	---	minutes
Drive power	---	20	---	dBm
Baseplate temp	---	110	---	°C
Prime power	---	2200	---	W
Thermal dissipation	---	1400	---	W
Load VSWR	---	1.2:1	---	VSWR

CPI CW Helix Traveling Wave Tube: VTX-6361F1



Outline:
VTX-6361F1



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.



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.

©2020 Communications & Power Industries LLC. Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI.