

Communications & Power Industries Helix Traveling Wave Tube



FEATURES:

- 400 W
- 7.9 - 8.4 GHz
- PPM focusing
- Coaxial input
- Waveguide output
- Weight: 7.5 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)

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

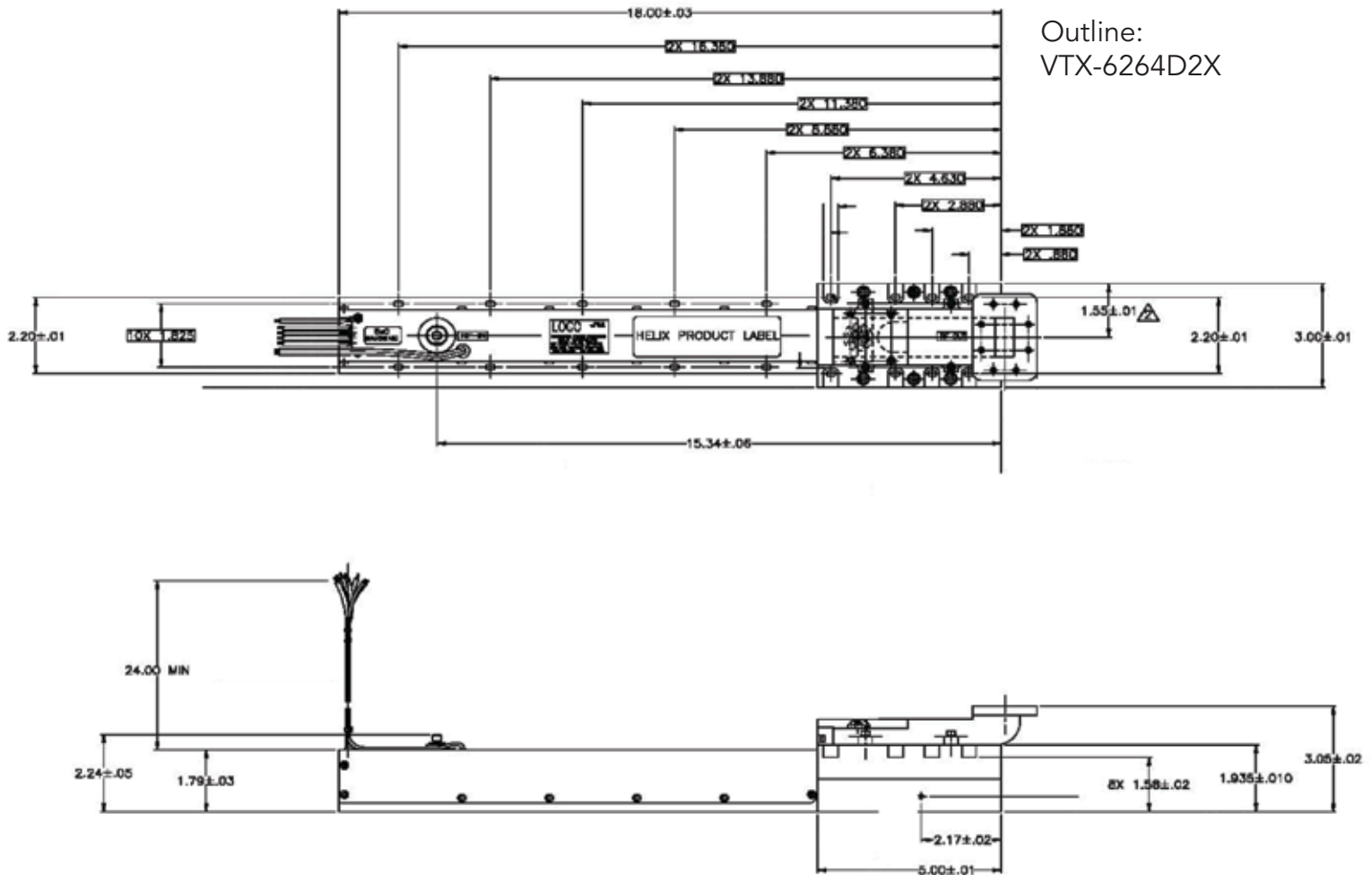
- mechanical configurations
- electrical and RF connections
- dual-stage depressed collector

	Frequency (GHz)	Power output (min)
VTX-6264D2X	7.9 - 8.4	400 W

Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	6.0	6.6	---	Vdc
Heater surge current	---	5	---	A
Helix voltage	8.4	8.8	---	kVdc
Helix current	---	12	---	mAdc
Collector voltage 1	48% of Ew	52% of Ew	---	kVdc
Collector current 1	---	165	---	mAdc
Collector voltage 2	34% of Ew	30% of Ew	---	kVdc
Collector current 2	---	310	---	mAdc
Cathode current	---	310	---	mAdc
Cathode warm-up time	3	--	---	minutes
Drive power		10	---	mW
Baseplate temp	---	110	---	°C
Prime power	---	1100	---	W
Load VSWR	---	1.1:1	---	VSWR

CPI CW Helix Traveling Wave Tube: VTX-6264D2X



Outline:
VTX-6264D2X

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.