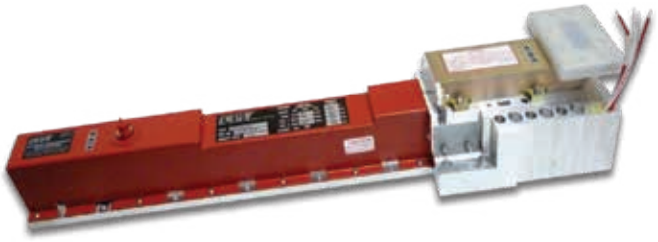
Communications & Power Industries Helix Traveling Wave Tube



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-6361E2	5.850 - 6.725	750 W
VTC-6361E3	5.85 - 7.10	750 W

FEATURES:

- 750 W CW
- 5.725 - 7.100 GHz
- Coaxial input
- Waveguide output
- Weight: 9 lbs. max.
- Conduction cooled

BENEFITS:

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

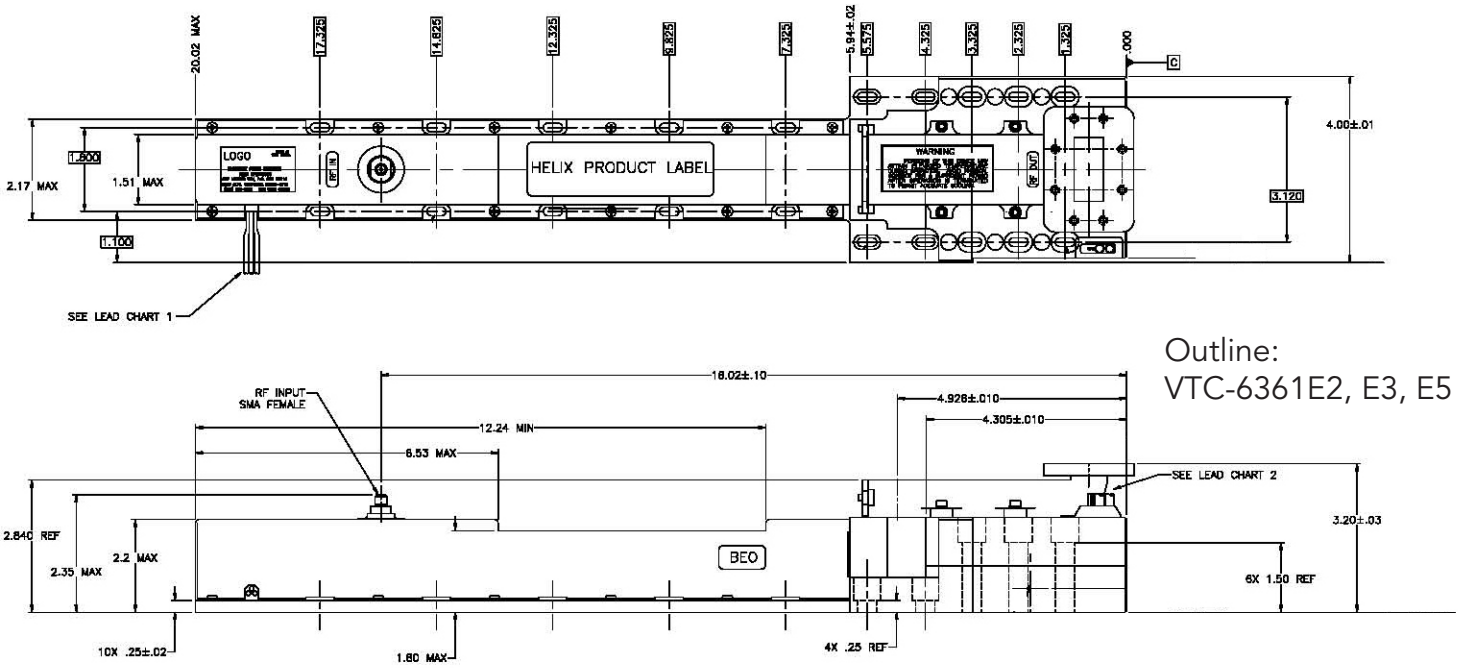
APPLICATIONS:

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

Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	6.2	6.4	6.3	Vdc
Heater surge current	0.8	1.6	1.5	A
Helix voltage	10.5	11.5	11.1	kVdc
Helix current	---	12.0	5.0	mAdc
Collector voltage 1	54% of Ew	56% of Ew	55% of Ew	kVdc
Collector current 1	---	240	---	mAdc
Collector voltage 2	25% of Ew	27% of Ew	26% of Ew	kVdc
Collector current 2	---	450	430	mAdc
Heater warm-up time	---	3.0	---	minutes
Drive power	---	22	20	dBm
Prime power	---	2200	---	W
Load VSWR	---	1.2:1	1.2:1	VSWR
Thermal dissipation	---	1400	---	W

CPI CW Helix Traveling Wave Tube: VTC-6361E2, E3, E5



Outline:
VTC-6361E2, E3, E5

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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7/20