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
VTC-6361E5	5.725 - 7.100	750 W

Typical Operating Parameters

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



FEATURES

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

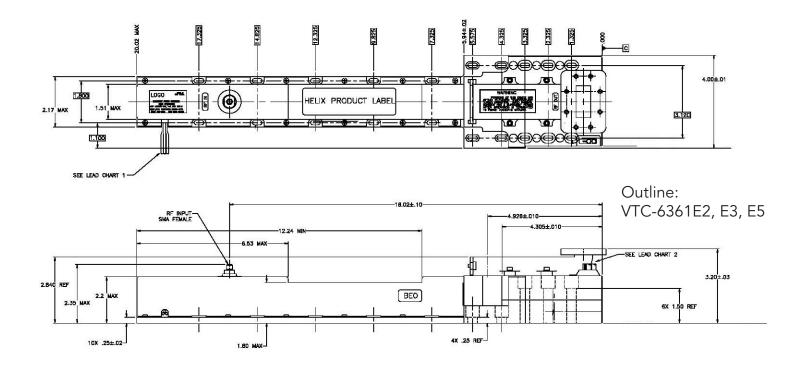
BENEFITS:

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

APPLICATIONS:

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

CPI CW Helix Traveling Wave Tube: 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.



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