

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-6265M1	5.85 - 6.65	400 W
VTC-6264M1X	5.85 - 7.10	400 W

FEATURES:

- 400 Watt
- 5.85 GHz - 7.10 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

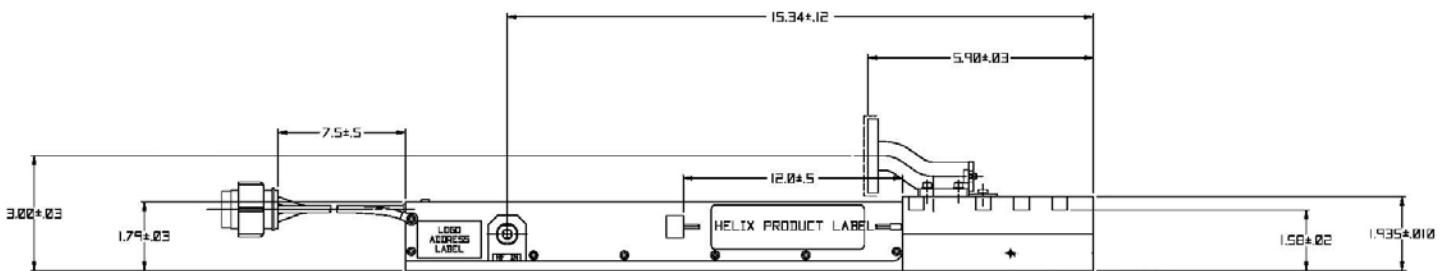
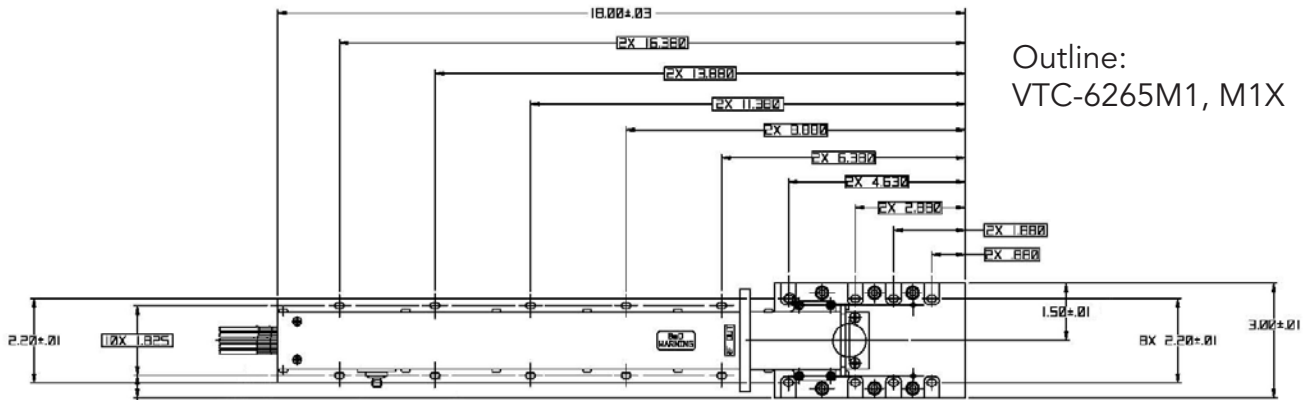
APPLICATIONS:

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

Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	5.9	6.3	---	Vdc
Heater surge current	---	5	---	A
Helix voltage	8.6	9.3	---	kVdc
Helix current	---	15	---	mAdc
Collector voltage 1	48% of Ew	52% of Ew	---	kVdc
Collector current 1	---	175	---	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	---	120	---	°C
Prime power	---	---	---	Watts
Load VSWR	---	1.5:1	---	VSWR

CPI CW Helix Traveling Wave Tube: VTC-6265M1, M1X



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.