Communications & Power Industries Helix Traveling Wave Tube

FEATURES:

- 350 W
- 13.75 14.50 GHz
- Coaxial input
- Waveguide output
- Weight: 6 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

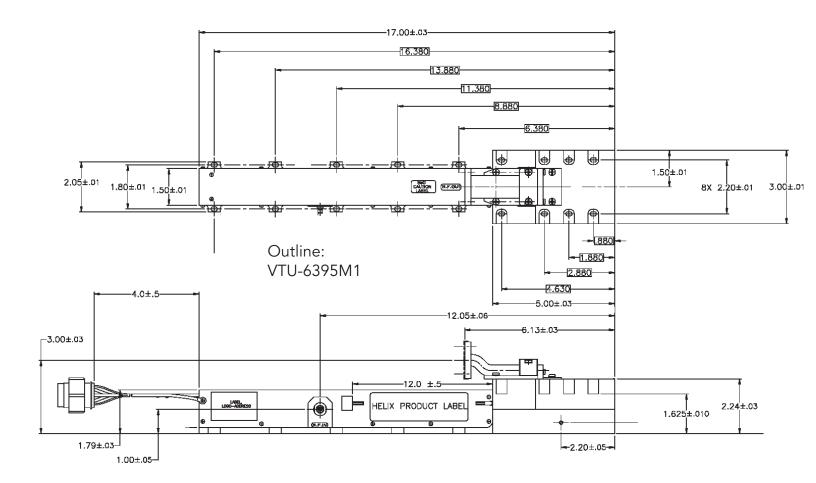
	Frequency (GHz)	Power output (min)
VTU-6295M1	13.75 - 14.50	350 W

Typical Operating Parameters

	Minimum	Maximum	Typical	Units
Heater voltage	5.9	6.3		Vdc
Heater surge current		5.0		А
Helix voltage	8.2	8.9		kVdc
Helix current		12.0		mAdc
Collector voltage 1	49.0	.55		%
Collector current 1		150		mAdc
Collector voltage 2	.31	.35		%
Collector current 2		280		mAdc
Cathode current		280		mAdc
Cathode warm-up time	3.0			minutes
Drive power		50		mW
Prime power		1000		°C
Thermal dissipation		120		W
Load VSWR		1.5:1		VSWR



CPI CW Helix Traveling Wave Tube: VTU-6395M1



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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