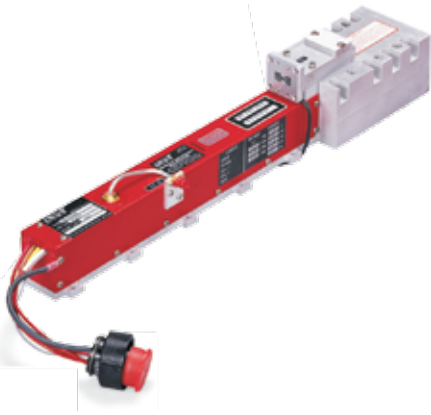


Communications & Power Industries Helix Traveling Wave Tube



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)
VTM-6292M4	8.0 - 18.0	250 W

FEATURES:

- 250 Watt
- 8.0 - 18.0 GHz
- PPM Focused
- Coaxial Input
- Waveguide Output
- Weight: 9 lbs. max.
- Conduction Cooled

BENEFITS:

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

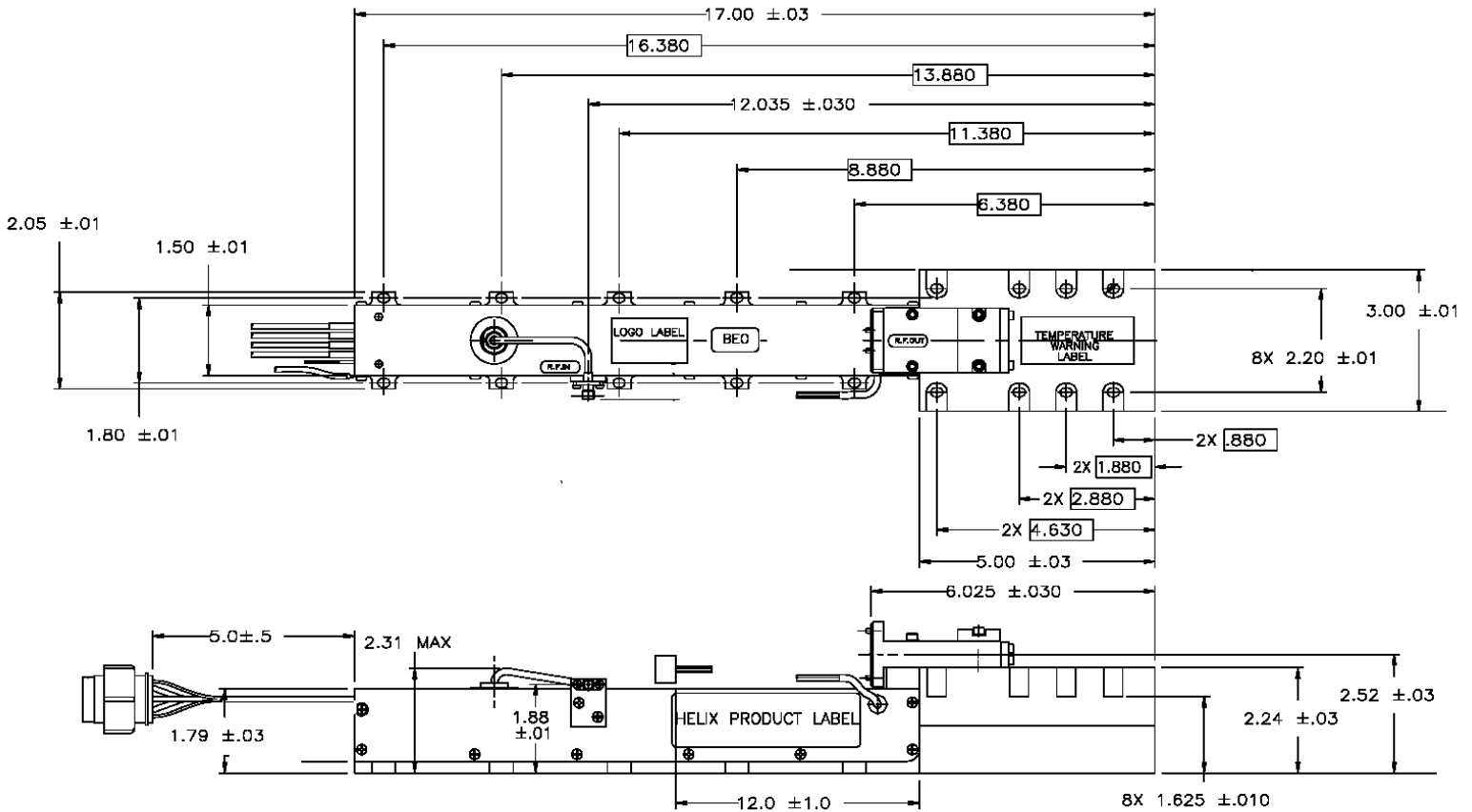
APPLICATIONS:

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

TYPICAL OPERATING PARAMETERS

	Minimum	Maximum	Typical	Units
Heater Voltage:	6.0	6.3	---	Vdc
Heater Surge Current:	---	5.0	---	Adc
Helix Voltage:	9.9	10.4	---	kVdc
Helix Current:	---	20.0	---	mAdc
Collector Voltage 1:	5.0	5.67	---	kVdc
Collector Voltage 2:	3.0	3.57	---	kVdc
Cathode Current:	---	300	---	mAdc
Heater Warm-up Time:	3.0	---	---	Minutes
Drive Power:	---	200	---	mW
Load VSWR:	---	3:1	---	VSWR

CPI CW Helix Traveling Wave Tube: VTM-6292M4



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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