

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-6195R1	6.0 - 18.0	28 W

FEATURES:

- 28 W
- 6.0 - 18.0 GHz
- PPM Focusing
- SMA Input & Output Connector
- Weight: 1.5 lbs. max
- Any Mounting Position
- Conduction Cooled

BENEFITS:

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

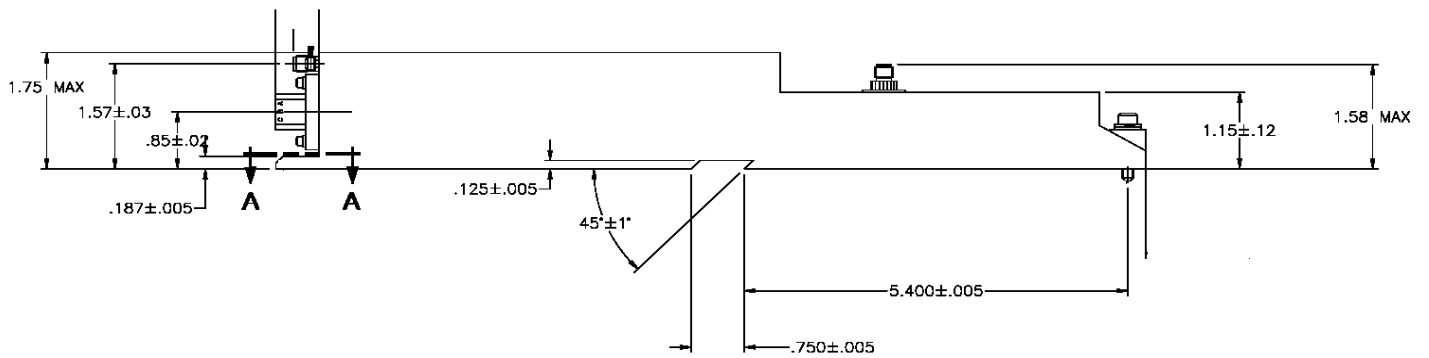
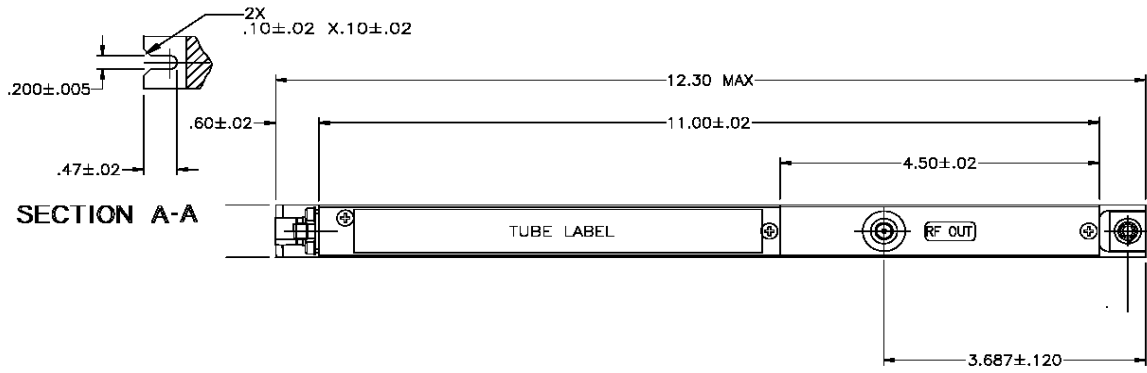
APPLICATIONS:

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

TYPICAL OPERATING PARAMETERS

	Minimum	Maximum	Typical	Units
Heater Voltage:	6.0	6.6	---	V
Heater Surge Current:	---	3.0	---	A
Helix Voltage:	3500	4100	---	Vdc
Helix Current:	---	15	---	mAdc
Collector Voltage:	1600	2200	---	Vdc
Cathode Current:	---	160	---	mAdc
Cathode Warm-up Time: 2.0 Minutes		---	---	
Drive Power:	---	50	---	mW
Heat Sink Temp:	---	110	---	°C
Load VSWR:	---	4.1	---	VSWR

CPI CW Helix Traveling Wave Tube: VTM-6195R1



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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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