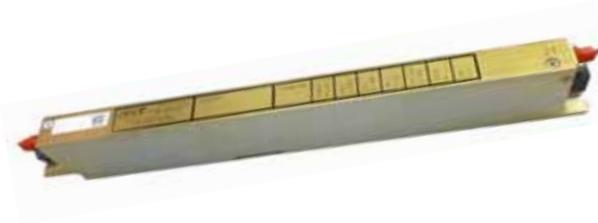


Communications & Power Industries Helix Traveling Wave Tube



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-6113R1	6.0 to 18.0	60 W
VTM-6113R2	6.0 to 18.0	80 W
VTM-6113R2D	6.0 to 18.0	80 W

FEATURES:

- 60 - 80 W
- 6.0 to 18.0 GHz
- PPM Focusing
- SMA Input Connector
- TNC Output Connector
- Any Mounting Position
- Weight: 2 lbs. max
- Conduction Cooled

BENEFITS:

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

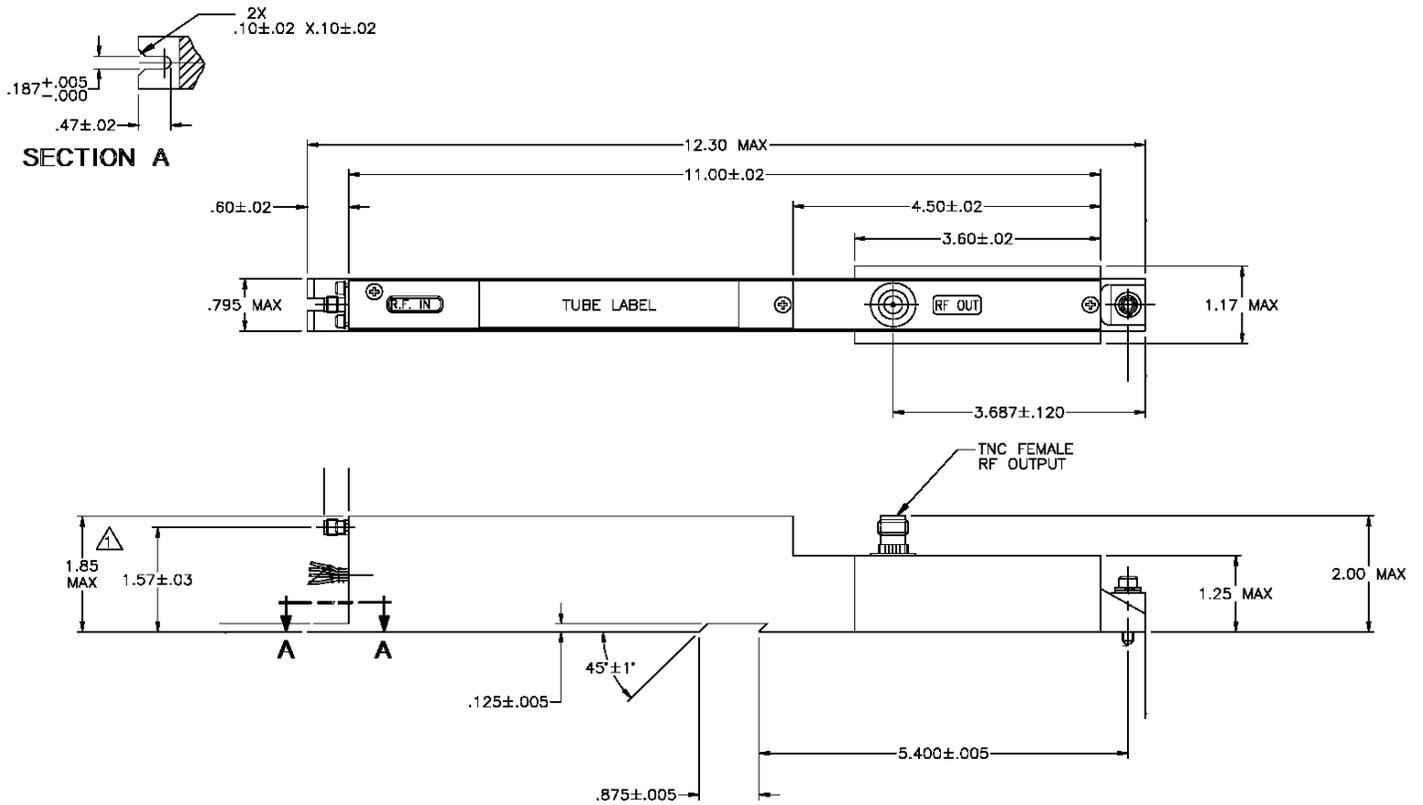
APPLICATIONS:

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

TYPICAL OPERATING PARAMETERS

	Minimum	Maximum	Typical	Units
Heater Voltage:	5.7	6.6	---	Vac
Heater Current:	---	1.3	---	mA
Helix Voltage:	4100	4600	---	Vdc
Helix Current:	---	15	---	mA
Collector Voltage:	47% Ew	52% Ew	---	Vdc
Collector Current:	165	180	---	mA
Focus Electrode:				
Beam Off:	---	-1000	---	Vdc
Beam On:	0.00	---	---	Vdc

CPI CW Helix Traveling Wave Tube: VTM-6113R1



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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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