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	POWER OUTPUT	
	(GHZ)	(MIN)	
VTM-6196R1	6.0 - 18.0	20 W	

FEATURES:

- 20 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:

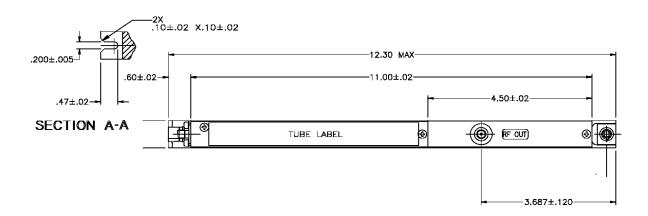
- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

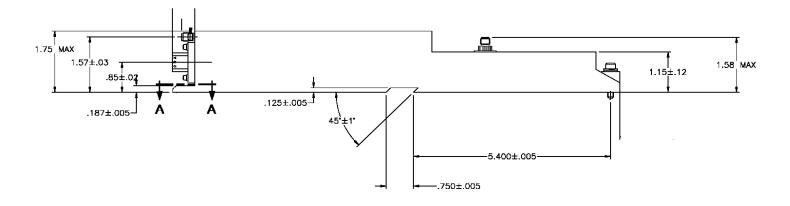
TYPICAL OPERATING PARAMETERS

	Minimum	Maximum	Typical	Units
Heater Voltage:	6.0	6.6		V
Heater Surge Curre	nt:	3.0		А
Helix Voltage:	3700	4000		Vdc
Helix Current:		15		mAdc
Collector Voltage:	1600	2000		Vdc
Cathode Current:		150		mAdc
Cathode Warm-up T	ime: 2.0			Minutes
Drive Power:		50		mW
Heat Sink Temp:		95		°C
Load VSWR:		4.1		VSWR



CPI CW Helix Traveling Wave Tube: VTM-6196R1







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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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