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)	
VTF-6130C1	2.0 - 8.0	80 W	
VTF-6130C1B	2.0 - 6.5	80 W	

FEATURES:

- 80 W
- 2.0 8.0 GHz
- PPM Focusing
- Connectors: SMA / TNC
- Weight: 3 lbs. max
- Conduction Cooled

BENEFITS:

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

APPLICATIONS:

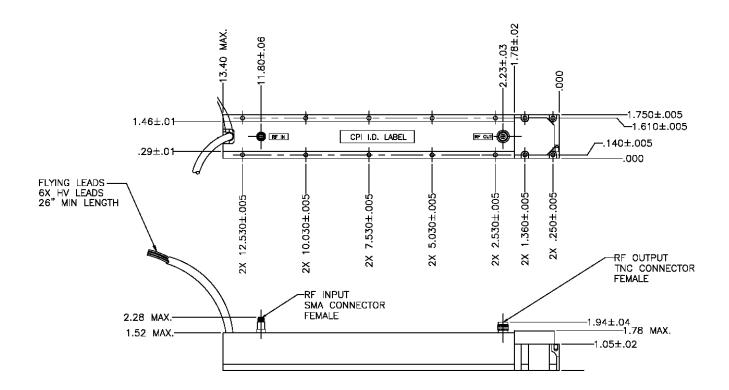
- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

TYPICAL OPERATING PARAMETERS

	Minimum	Maximum	Typical	Units
Heater Voltage:		6.3		V
Heater Current:		1.3		Adc
Helix Voltage:	4100	4600		Vdc
Collector Voltage 1:		0.65 Ew		Vdc
Collector Voltage 2:		0.45 Ew		Vdc
Cathode Current:		325		mAdc
Heater Warm-up Tir	me:			Minutes
Drive Power:				mW
Prime Power:		800		Watts
Load VSWR:		2.5:1		VSWR
Focus Electrode (Beam	off) -500			V



CPI CW Helix Traveling Wave Tube: VTF-6130C1





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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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