

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)
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 Time:	---	---	---	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

