

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-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 Current:	---	3.0	---	A
Helix Voltage:	3700	4000	---	Vdc
Helix Current:	---	15	---	mAdc
Collector Voltage:	1600	2000	---	Vdc
Cathode Current:	---	150	---	mAdc
Cathode Warm-up Time:	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

