

# 60 to 80 W, CW Mini Helix TWT

60 to 80 W, CW Mini Helix TWT, 6.0 to 18.0 GHz, periodic-permanent, magnet focused, coaxial input and output, conduction cooled.



Custom configurations are available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections.

## FEATURES

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

MODEL	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

TYPICAL OPERATING PARAMETERS				
	MAXIMUM	MINIMUM	TYPICAL	UNITS
Heater Voltage:	6.6	5.7	---	V
Heater Current:	1.3	---	---	mA
Helix Voltage:	4300	4100	---	Vdc
Helix Current:	15	---	---	mAdc
Collector Current:	180	165	---	mAdc
Collector Voltage :	52% Ew	47% Ew	---	kVdc
Focus Electrode Beam Off:	-1000	---	---	Vdc
Focus Electrode Beam On	0.00	---	---	Vdc

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



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**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 856-0705 | **EMAIL:** [marketing@cpii.com](mailto:marketing@cpii.com)