

250 W Helix TWT Series

250 W, CW Helix TWT Series, 8.0 GHz to 18.0 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input, Waveguide Output, and Conduction Cooled.

Custom configurations are also available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections, & dual stage depressed collector.



Model Number	Frequency (GHz)	Power Output (Min.)
VTM-6292M4	8.0 – 18.0	250 W

Features

- 250 Watts
- 8.0 GHz – 18.0 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 9 lbs. Max
- Conduction Cooled

Operating Parameters

	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage 1	Collector Voltage 2	Cathode Current
Parameters:	Ef	If	Ew	Eb 1	Eb 2	Ik
Units:	Vdc	Adc	Vdc	Vdc	Vdc	mAdc
Maximum:	6.6	5.0	10,400	5,670	3,570	300
Minimum:	6.0	---	9,900	5,000	3,000	---

	Helix Current	Drive Power	Cathode Warm-up Time	Load	Collector Thermostat Temperature
Parameters:	Iw	Pd	tk	---	T Base
Units:	mAdc	mW	minutes	---	°C
Maximum:	20	200	---	3:1	130
Minimum:	---	---	3	---	---

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.