

200 W Helix TWT Series

200 W, CW Helix TWT Series, 8.0 GHz to 18.0 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input and Waveguide Output, and Conduction Cooled; Focus-Electrode-Modulated.

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-6292F8	8.0 – 18.0	200 W

Features

- 200 Watts
- 8.0 GHz – 18.0 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 24 lbs. Max
- Conduction Cooled

Operating Parameters

Parameters:	Heater		Helix Voltage	Collector		Cathode Current
	Heater Voltage	Heater Surge Current		Collector Voltage 1	Collector Voltage 2	
Units:	V	A	Vdc	Vdc	mAdc	Vdc
Maximum:	6.6	5.0	5670	3570	300	10,500
Minimum:	6.0	---	5000	3000	---	10,000

Parameters:	Helix Current	Drive Power	Cathode Warm-up Time	Load Load	Baseplate Temperature
	Ec	Iw	tk	VSWR	T Base
Units:	Vdc	mAdc	minutes	---	°C
Maximum:	0	20	---	3:1	110
Minimum:	-30	---	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.