

250/300 W, CW Helix TWT Series, 2.0 GHz to 8.0 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input, Coaxial 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.)
VTG-6229S1B	2.0 – 8.0	250/300 W

Features

- 250/300 Watts
- 2.0 GHz – 8.0 GHz
- PPM Focusing
- Coaxial Input
- Coaxial Output
- Any Mounting Position
- Weight: 25 lbs. Max
- Conduction Cooled

Operating Parameters

Parameters:	Filament Voltage	Filament Current	Helix Voltage	Helix Current	Collector Voltage	Collector Current
Units:	Vdc	A	kV	mA	%	mA
Maximum:	6.6	5.0	5.5	50.0	66	575
Minimum:	6.0	2.2	4.8		64	475
Nom:	6.3	2.5	5.15	20.0	65	

Parameters:	Warm-up Time	Drive Power	Prime Power	Thermal Dissipation	Baseplate Temperature
Units:	Minutes	dBm	Watts	Watts	VSWR
Maximum:	30	25	2180	2000	2.5
Minimum:					
Nom:		15			1.3

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.