

750 W, CW High Efficiency Helix TWT Series, 12.75 GHz to 14.50 GHz, 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.)
VTU-6397T3A	12.75 – 14.5	750 W
VTU-6397T3	13.75 – 14.5	750 W

Features

- 750 Watts
- Coaxial Input
- Waveguide Output
- Weight: 9.5 lbs. max
- Conduction Cooled
- Dual Stage Collector

Operating Parameters

	Filament Voltage	Filament Current	Helix Voltage	Helix Current	Collector Voltage 1	Collector Current 1	Collector Voltage 2	Collector Current 2	Heater Warm-Up Time	Drive Power	Baseplate Temp.	Prime Power	Load VSWR
Units:	Vdc	A	kV	mA	%	mA	%	mA	minutes	dBm	°C	Watts	VSWR
Maximum:	6.4	1.6	12.5	10.0	51.0	30 dc 320 rf	27.0	420.0		18	115	2200 Max	1.3:1
Minimum:	6.2	1.0	11.8		49.0	17 dc	25.0		3.0		-30		
Typical:	6.3	1.4	12.2	3.0	50.0	215 rf	26.0	410 dc 195 rf	3.0	10	85	2000	1.2:1

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.

For additional information on CPI MPP products contact:

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