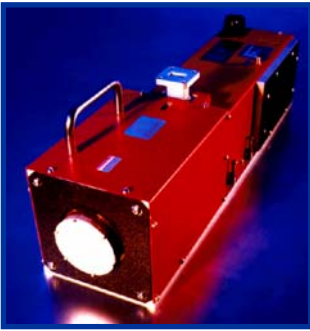


500 W, CW High Efficiency Helix TWT Series, 17.3 GHz to 18.4 GHz, Coaxial Input, Waveguide Output, and Air Cooled.

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-6397D4X	17.3 – 18.4	500 W
VTU-6396D4X	17.3 – 18.4	375 W

Operating Parameters

Features

- 500 Watts
- 17.3 GHz – 18.4 GHz
- Coaxial Input
- Waveguide Output
- Weight: 25 lbs. max
- Air Cooled

Units:
Maximum:
Minimum:
Nominal:

Typical (700 W):
Typical (750 W):

	Filament Voltage	Filament Current	Helix Voltage	Helix Current	Collector Voltage 1	Collector Current 1	Collector Voltage 2	Collector Current 2	Cathode Warm-Up Time	Drive Power	Prime Power	Thermal Dissipation	Load VSWR
Units:	Vdc	A	kV	mA	%	mA	%	mA	minutes	dBm	Watts	Watts	VSWR
Maximum:	6.4	1.8	12.0	10.0	53.0	240 rf	27.0	420.0		24	1950 Goal 2050 Max	1900	1.2
Minimum:	6.2	1.0	11.4		51.0		25.0		3.0				
Nominal:	6.3	1.5	11.5	<3.0	52.0	<20 dc 190 rf	26.0	400 dc 220 rf		14	1925	1400	
Typical (700 W):													
Typical (750 W):													

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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