

# 750 W, Ku-Band Helix TWT Series

600 W, CW Helix TWT Series, 13.75 GHz to 14.50 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input, Waveguide Output, and Forced-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-6397C7	13.75 – 14.5	750 W
VTU-6397M5	12.75 – 14.5	700 W
VTU-6397C2	13.75 – 14.5	700 W
VTU-6396M5	12.75 – 14.5	600 W
VTU-6396M7	13.75 – 14.8	600 W
VTU-6396C1	13.75 – 14.5	600 W
VTU-6396M8	13.75 – 14.25	600 W
VTU-6396M6	15.20 – 17.2	500 W

## Operating Parameters

### Features

- 600 Watts
- 13.75 GHz – 14.50 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 21 lbs. max
- Forced-Air Cooled

	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage	Cathode Current	Helix Current
<b>Parameters:</b>	Ef	If	Ew	Eb	Ik	Iw
<b>Units:</b>	V	A	kVdc	kVdc	mAdc	mAdc
<b>Maximum:</b>	6.6	5	12.8	7.0	470	18
<b>Minimum:</b>	6.0	---	11.4	5.7	---	---
<b>Typical:</b>						
	Drive Power	Cathode Warm-Up Time	Load VSWR	Collector Thermostat Temp.	Air Flow	
<b>Parameters:</b>	Pd	tk				
<b>Units:</b>	mW	minutes		°C	lb/hr	
<b>Maximum:</b>	30	---	2.0:1	150	---	
<b>Minimum:</b>	---	3	---	---	360	
<b>Typical:</b>						

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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