

200 W Ku-Band Helix TWT Series

200 W, CW Helix TWT Series, 13.75 GHz to 14.50 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input and 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-6395M2	13.75 – 14.50	200 W

Features

- 200 Watts
- 13.75 GHz – 14.50 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 6 lbs. Max
- Conduction Cooled

Operating Parameters

Parameters:	Heater		Helix Voltage	Collector Voltage 1	Collector Voltage 2	Cathode Current
	Heater Voltage	Heater Surge Current				
Units:	Ef	If	Ew	Eb1	Eb2	Ik
Maximum:	V	A	kVdc	kVdc	kVdc	mAdc
Minimum:	6.6	5.0	8.9	0.52 Ew	0.34 Ew	240
	6.0	---	8.2	0.48 Ew	0.30 Ew	---
Parameters:	Helix Current	Drive Power	Cathode Warm-up Time	Load VSWR		
	Iw	Pd	tk			
Units:	mAdc	mW	minutes			
Maximum:	240	50	---	1.5:1		
Minimum:	---	---	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.

For additional information on CPI MPP products contact:
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