350 W Ku-Band Helix TWT Series

350 W, CW Helix TWT Series, 14.7 GHz to 15.2 GHz, Periodic-Permanent, Magnet Focused, 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-6395M3	14.7 – 15.2	350 W

Features

- 350 Watts
- 14.7 GHz – 15.2 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 6 lbs. Max
- Conduction Cooled

Operating Parameters

	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage 1	Collector Voltage 2	Cathode Current
Parameters:	Ef	If	Ew	Eb1	Eb2	Ik
Units:	V	A	kVdc	kVdc	kVdc	mAdc
Maximum:	6.3	5.0	8.9	0.55 Ew	0.35 Ew	280
Minimum:	5.9	- - -	8.2	0.49 Ew	0.31 Ew	- - -

	Helix Current	Drive Power	Cathode Warm-up Time	Load VSWR	Baseplate Temperature
Parameters:	Iw	Pd	tk		
Units:	mAdc	mW	minutes		°C
Maximum:	12	50	- - -	1.5:1	120
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:
CPI MPP, Helix TWT Operation - 811 Hansen Way, Palo Alto, CA 94303-0750
Phone: 650-846-3900, Fax: 650-494-8779, Email: marketing@cpii.com, www.cpii.com/mpp

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