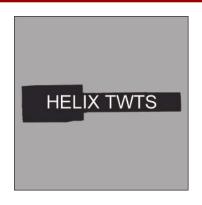


350 W Ku-Band Helix TWT Series

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

Operating Parameters

•	350 Watts
•	14.7 GHz - 15.2 GH

Ηz

PPM Focusing

Coaxial Input

Waveguide Output

Any Mounting Position

Weight: 6 lbs. Max

Conduction Cooled

	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage 1	Collector Voltage 2	Cathode Current
Parameters:	Ef	lf	Ew	Eb1	Eb2	lk
Units:	V	Α	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	

Parameters:	Helix Current lw	Drive Power Pd	Cathode Warm-up Time tk	Load VSWR	Baseplate Temperature
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.

