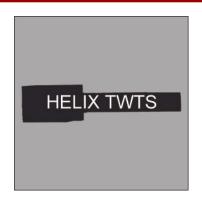


350 W Ku-Band Helix TWT Series

350 W, CW Helix TWT Series, 12.75 GHz to 14.50 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-6395M5	12.75 – 14.50	350 W

Collector

Voltage

Eb2

kVdc

0.35 Ew

0.31 Ew

Cathode

Current

mAdc

280

lk

Features

Operating Parameters

•	350 Watts 12.75 GHz – 14.50 GHz PPM Focusing	Parameters:	Heater Voltage Ef	Heater Surge Current If (surge)	Helix Voltage Ew	Collector Voltage Eb 1
•	Coaxial Input	Units:	V	A	kVdc	kVdc
•	Waveguide Output	Maximum:	6.3	5.0	8.9	0.55 Ew
•	Any Mounting Position	Minimum:	5.9		8.2	0.49 Ew
•	Weight: 6 lbs. Max					
•	Conduction Cooled				Cathode	е

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

