375 W, Ku-Band Helix TWT Series

375 W, CW Helix TWT Series, 17.3 to 18.4 GHz, periodic-permanent, magnet focused, coaxial input, waveguide output, air cooled.

Custom configurations are also available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections, and dual-stage depressed collector.

FEATURES

- 375 W
- 17.3 to 18.4 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 25 lbs. max
- Air Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTU-6396D4X	17.3 to 18.4	375 W

TYPICAL OPERATING PARAMETERS

	MAXIMUM	MINIMUM	TYPICAL	UNITS
Filament Voltage:	6.4	6.2	---	Vdc
Filament Current:	1.8	1.0	---	A
Helix Voltage:	12.0	11.4	---	kV
Helix Current:	10	---	---	mA
Collector Voltage 1:	53% Ew	51% Ew	---	kVdc
Collector Current 1:	30.0dc / 240 rf	---	---	mA
Collector Voltage 2:	27.0% Ew	25.0% Ew		mA
Collector Current 2:	420	---	---	mAdc
Cathode Warm-up Time:	---	3.0	---	Minutes
Drive Power:	18	---	---	dBm
Baseplate Temp:	---	---	---	°C
Prime Power:	2030	---	---	Watts
Thermal Dissipation:	1900	---	---	Watts
Load VSWR:	1.2	---	---	VSWR

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 information on this and other CPI products, visit our website at: **www.cpii.com**, or contact: CPI MPP Division, 607 Hansen Way, Palo Alto, CA 94303

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