



750 W, Ku-Band Helix TWT Series

750 Watt, 17.30 to 17.80 GHz, CW, high efficiency traveling wave tube, 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

- 750 Watt
- Coaxial Input
- Waveguide Output
- Weight: 25 lbs. max
- Air Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTU-6397J1A	17.30 - 17.80	750 W

TYPICAL OPERATING PARAMETERS				
	MINIMUM	MAXIMUM	TYPICAL	UNITS
Filament Voltage:	6.2	6.4	6.3	Vdc
Filament Current:	1.0	1.8	1.5	A
Helix Voltage:	11.5	12.5	12.4	kV
Helix Current:	---	10.0	3.0	mA
Collector Voltage 1:	51.0	53.0	52.0	%
Collector Current 1:		320 rf	50 dc / 250 rf	mA
Collector Voltage 2:	25	27	26	%
Collector Current 2:	---	455	445 dc / 220 rf	mA
Heater Warm-up Time:	3.0	---	---	Minutes
Drive Power:	---	18	10	dBm
Air Flow:	214	---	---	lb / hr
Prime Power:	---	2400	2350	Watts
Load VSWR:	---	1.2	1.1	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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