

200 W, Ku-Band Helix TWT Series

200 Watt, 12.75-15.35 GHz, CW, high efficiency traveling wave tube, coaxial input, waveguide output, conduction 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

- 200 Watt
- Coaxial Input
- Waveguide Output
- Weight: 6 lbs. max
- Conduction Cooled
- Dual-Stage Collector

MODEL

FREQUENCY (GHZ)

POWER OUTPUT (MIN)

VTU-6299F2

13.75 - 14.5

200 W

VTU-6299F3

12.75 - 14.5

200 W

VTU-6299F4

14.50 - 15.35

200 W

TYPICAL OPERATING PARAMETERS

	MINIMUM	MAXIMUM	TYPICAL	UNITS
Filament Voltage:	6.2	6.4	6.3	Vdc
Filament Current:	1.0	1.5	1.3	A
Helix Voltage:	6.8	7.4	7.1	kV
Helix Current:	---	8.0	4.0	mA
Collector Voltage 1:	49.0	51.0	50.0	%
Collector Current 1:	---	140	3 dc / 110 rf	mA
Collector Voltage 2:	17	19	18	%
Collector Current 2:	---	220	205 dc / 92 rf	mA
Cathode Warm-up Time:	3.0	---	---	Minutes
Drive Power:	---	10	0	dBm
Baseplate Temp:	---	---	---	°C
Prime Power:	---	625	565	Watts
Load VSWR:	---	1.5	---	VSWR
Gain (Large Signal):	42	---	---	dB

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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