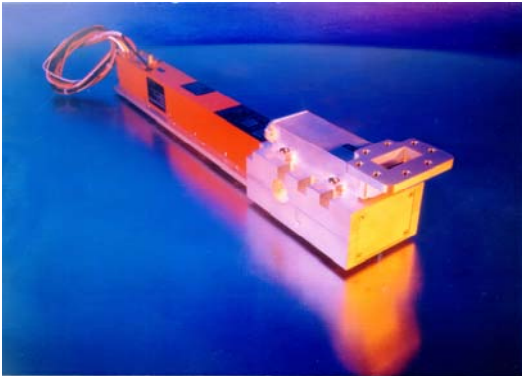


400 W, C-Band Helix TWT Series

400 W, CW Helix TWT Series, 5.850 GHz to 7.100 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.)
VTC-6264D4	5.85 – 7.1	400 W
VTC-6264D2C	5.85 – 7.1	400 W
VTC-6264D5C	5.725 – 5.825	400 W

Operating Parameters

Features

- 400 Watts
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 7.5 lbs. max (6.8 typical 3.1 kg)
- Conduction Cooled
- Dual Stage Collector

Parameters:	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage 1	Collector Voltage 2	Cathode Current
	Ef	If (surge)	Ew	Eb1	Eb2	Ik
Units:	V	A	kVdc	kVdc	kVdc	mAdc
Maximum:	6.3	5.0	9.1	0.55 Ew	0.35 Ew	310
Minimum:	5.9	---	8.4	0.49 Ew	0.31 Ew	---
Typical:	6.3	<5	8.8	.50 Ew	.32 Ew	290

Parameters:	Helix Current	Drive Power (Rated Po)	Cathode Warm-Up Time	Load VSWR	Baseplate Temp.	Collector 1 Current	Collector 2 Current
	Iw	Pd	tk			Ib1	Ib2
Units:	mAdc	mW	minutes	1.5:1	°C	mA (dc)	mA (dc)
Maximum:	15	10	---	---	120	175	310
Minimum:	---	---	3	---	---	---	---
Typical:	6	6	3	<1.25	85	125	160

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 additional information on CPI MPP products contact:

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