

750 W, CW High Efficiency Helix TWT Series, 5.85 GHz to 6.725 GHz, Coaxial Input, Waveguide Output, and Air 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-6361D3A	5.85 - 6.725	750 W
VTC-6361D5	5.85 - 7.1	700 W
VTC-6361A3	5.85 - 6.725	700 W

Operating Parameters

Features

- 750 Watts
- 5.85 GHz – 6.725 GHz
- Coaxial Input
- Waveguide Output
- Weight: 25 lbs. max
- Air Cooled

Units:
Maximum:
Minimum:
Nominal:

Typical (700 W):
Typical (750 W):

Filament Voltage	Filament Current	Helix Voltage	Helix Current	Collector Voltage 1	Collector Current 1
Vdc	A	kV	mA	%	mA
6.4	1.8	11.5	15.0	53.0	240
6.2	1.0	10.5		51.0	
6.3	1.5	11.1	<10.0	52.0	17 dc 230 rf

	Collector Voltage 2	Collector Current 2	Filament Warm-Up Time	Drive Power	Prime Power	Thermal Dissipation	Load VSWR
Units:	%	mA	minutes	dBm	Watts	Watts	VSWR
Maximum:	27.0	460.0		22	2300 Max	1900	2.0
Minimum:	25.0	---	3.0	---	---	---	
Nominal:	26.0	390 dc 190 rf		20	2000	1300	1.2
Typical (700 W):							
Typical (750 W):	26.0			16	2100	1375	1.2

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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