

Communications & Power Industries CCTWT

The VTC-6660E is a CW coupled cavity TWT that produces 40 kilowatts of power over a frequency range of 5.850 GHz to 6.425 GHz. This device is anode switched, has a single stage depressed collector and has 35 dB of gain.

Custom configurations are available. These variations include alternate RF connections and locations, and a multiple stage depressed collector.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800.

Typical Operating Parameters

PARAMETER	MIN	MAX	UNITS
Cathode Voltage	-36	-39	kV
Cathode Current	---	9.0	a
Heater Voltage	6.5	8.5	V
Heater Current	---	10.0	A
Collector Voltage	.77Ek	0.83Ek	kV
Solenoid Voltage	---	120	V
Solenoid Current	---	30	A
RF Drive Power	---	6.0	W
Body Current	---	250	mA
Duty Cycle	---	CW	%
Anode Current	---	20	mA
Cooling Flow Rate:			
Collector		50.0	gal/min
Body		6.0	gal/min
Solenoid		2.0	gal/min
Weight	---	300	lbs
Dimensions	---	24 dia X 48 lg	inches

FEATURES:

- 5.850 Ghz to 6.425 Ghz
- 40 kW output power
- Anode switched
- 35 dB gain
- Depressed collector
- Forced liquid cooled
- Integral solenoid focused
- WR 159 waveguide output
- Type N coaxial input

BENEFITS:

- Efficient
- Bandwidth
- Over 40 years of technical expertise

APPLICATIONS:

- Ground radars



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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