

Communications & Power Industries CCTWT

The VTC-6660C is a CW coupled cavity TWT that produces 12 kilowatts of power over a frequency range of 5.925 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 an integral solenoid, 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	-21.0	-18.0	kV
Cathode Current	---	4.0	a
Heater Voltage	6.5	8.5	V
Heater Current	---	8.5	A
Collector Voltage	0.75Ek	0.85Ek	kV
Electromagnet Voltage	---	150	V
Electromagnet Current	---	12	A
RF Drive Power	---	5.0	W
Body Current	---	100	mA
Duty Cycle	---	CW	%
Anode Current	---	10	mA
Cooling Flow Rate:			
Collector		15.0	gal/min
Body		2.0	gal/min
Magnet		2.0	gal/min
Weight	---	180	lbs
Dimensions	---	24 dia X 36 lg	inches

FEATURES:

- 5.925 Ghz to 6.425 Ghz
- 12 kW output power
- Anode s witched
- 35 dB gain
- Depressed collector
- Forced liquid cooled
- Electromagnet focused
- WR 137 waveguide input & output

BENEFITS:

- Efficient
- Bandwidth
- Over 40 years of technical expertis

APPLICATIONS:

- Ground radars