

Communications & Power Industries CCTWT

The VTU-5692C pulsed coupled cavity TWT covers 15.7 GHz to 17.7 GHz with 60 kW peak output power and 30% duty cycle. This device is mod-anode pulsed.

Configurations are also available. These variations in the performance and con-figuration can include: mechanical configuration, electrical and RF connections, multiple stage depressed collector and optional CW operation.

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

FEATURES:

- 15.7 GHz - 17.7 GHz
- 60 kW Peak output power
- 30% Duty cycle
- Mod-anode pulsed
- 40 dB gain
- Forced liquid
- Solenoid focused
- WR 62 waveguide, input and output

BENEFITS:

- Efficient
- Bandwidth
- Over 40 years of technical expertise

APPLICATIONS:

- Airborne radars
- Ground based radars

TYPICAL OPERATING PARAMETERS

	MINIMUM	MAXIMUM	TYPICAL	UNITS
Cathode Voltage	-45	-42		kV
Cathode Current	---	12		A
Heater Voltage	6	8		V
Heater Current	---	10		A
Solenoid Voltage	---	150		V
Solenoid Current	---	55		A
RF Drive Power	---	1		W
Pulse Width	---	5000		μsec
Duty Cycle	---	30		%
Cooling Flow Rate	40	---		gpm
Pressure Drop	---	65		psi
Weight	---	300		lbs
Dimensions		18 dia x 50 lg		inches



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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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