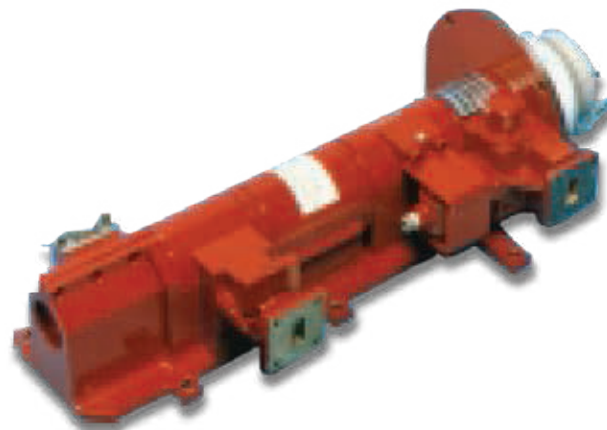


## Communications & Power Industries CCTWT

The VTU-5690A pulsed- coupled cavity TWT covers 16.0 GHz to 17.0 GHz with 40 kW peak output power, 0.3% duty cycle. This device has cathode pulsed and grounded collector to achieve 48 dB gain.

Custom configurations are also available. These variations in the performance and configuration include: grid modulation, cooling method (affects average power level), mechanical configuration, electrical and RF connections.

Contact us at [MPPMarketing@cpii.com](mailto:MPPMarketing@cpii.com) or call us at +1 650-846-2800.



### Typical Operating Parameters

PARAMETER	MIN	MAX	UNITS
Cathode Voltage	-38	-35	kV
Cathode Current	---	6.5	a
Heater Voltage	17	18	V
Heater Current	---	3	A
RF Drive Power	---	0.16	W
Pulse Width	---	20	μsec
Duty Cycle	---	0.3	%
Baseplate Temperature	50		deg C
Weight	---	11	lbs
Dimensions	---	3 X 3 X14	inches

### FEATURES:

- 16.0 GHz to 17.0 GHz
- 40 kW Peak output power
- 0.3% Duty cycle
- Cathode pulsed
- 48 dB gain
- Grounded collector
- Conduction cooled
- PPM focused
- WR 62 waveguide, input and output

### BENEFITS:

- Efficient
- Bandwidth
- Over 40 years of technical expertise

### APPLICATIONS:

- Airborne radars
- Ground based radars