

Communications & Power Industries CCTWT

The PT6055 pulsed coupled cavity TWT is an S-Band Traveling Wave Tube Amplifier.

The Peak Power is nominally 50 kW, the duty cycle 2.4% and the minimum gain 50 dB.

The RF input is an N-type coaxial connector and the RF output is in waveguide (CPR284F).



Contact us at wecare@cpii-int.com or call us at +44 (0)20 8573 5555

Typical Operating Parameters

PARAMETER	MIN	MAX	UNITS
Cathode Voltage	-32	---	kV
Cathode Current	9	---	A
Heater Voltage	9.3	---	V D.C.
Heater Current	9.3	---	A
Collector Depression	-10	---	kV
Grid Bias Voltage	-500	---	V
RF Drive Power	---	0.5	W
Duty Cycle	---	2.4	%
Pressure Drop	---	9	inch
Weight	---	90.4/41	lbs/kg
Dimensions	---	12x15x47	inches

FEATURES:

- Frequency: 2.7 - 3.1 GHz
- Peak output power: 50 kW
- Duty cycle: 2.4% max
- 50 dB gain
- Forced air cooled
- PPM focused
- Coaxial type-n input

BENEFITS:

- Efficient
- Bandwidth
- Over 40 years of technical expertise

APPLICATIONS:

- Ground radars