

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.

Typical Operating Parameters

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

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

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.

For additional information on CPI MPP products contact:

CPI MPP, Coupled Cavity TWT Operation - 3120 Hansen Way, Palo Alto, CA 94303-0750
 Phone: 650-846-3073, Fax: 650-857-1708, Email: marketing@mpp.cpii.com, www.cpii.com/mpp