

Communications & Power Industries Tetrode



The 4CPL1000C tube is designed for switch tube, pulse modulator or voltage regulator service. It will pass anode current up to 8 amperes for pulses up to 100 microseconds duration, and derated values of anode current at longer pulse durations. This tube is designed for immersion in liquid dielectric fluid and can dissipate 1,000 watts. In air with proper cooling, plate dissipation is 300 watts. The 4CPL1000C has an integral mounting flange. This tube is rated to operate at an anode potential up to 15 kVdc when immersed in the recommended coolant. When immersed the rating is not altitude-dependent.

FEATURES:

Maximum plate dissipation:	1,000 Watts
Maximum screen dissipation:	15 Watts
Maximum grid dissipation:	2 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	---
Filament/cathode:	Oxide Coated
Voltage:	6.3 Volts
Current:	4.9 Amps
Capacitance: Grounded cathode	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Liquid or Forced Air
Base:	Special with solder tab terminals
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	2.68 in; 68.07 mm
Diameter:	2.75 in; 69.85 mm
Weight:	--- oz; --- gm

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Science

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
	Pulse modulator or switch tube	15,000	8.0	7,000	700			

With a history of producing high quality products, we can help you with your tetrode.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only.

Formal, controlled specifications may be obtained from CPI for use in equipment design.



**Microwave Power
Products Division**
811 Hansen Way
Palo Alto, California
USA 94304

tel +1 650-846-2800
fax +1 650-856-0705
email MPPMarketing@cpii.com
web www.cpii.com/MPP

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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