Communications & Power Industries

4CPL1000A

This tube is designed for immersion in cooling a liquid dielectric and can dissipate 1,000 watts. In air with proper cooling, plate dissipation is 300watts. The 4CPL1000A mounting is optional. 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 dependant.

CHARACTERISTICS

Plate Dissipation (Max.)	1,000 Watts
Screen Dissipation (Max.)	15 Watts
Grid Dissipation (Max.)	2 Watts
Frequency for Max. rating (CW)	--- MHz
Amplification Factor	
Filament/Cathode	Oxide Coated
Voltage	6.3 Volts
Current	4.9 Amps
Capacitance	
Input	pf
Output	pf
Feedthrough	pf
Capacitance	
Input	pf
Output	pf
Feedthrough	pf
Cooling	Liquid or Forced Air
Base	Special with Solder Terms
Air Socket	---
Air Chimney	---
Boiler	---
Length	2.71 in; 68.83 mm
Diameter	2.05 in; 51.94 mm
Weight	---

		MAXIMUM RATINGS		TYPICAL OPERATION				
Class of Operation	Type of Service	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			

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 information on this and other CPI products, visit our website at: **www.cpii.com**, or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303
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