300 KW LIQUID COOLED TETRODE 4CPW300,000A/9008

Communications & Power Industries Tetrode

The 4CPW300,000A/9008 is a water-cooled power tetrode intended for use as a pulse modulator or in pulse regulator service. The tube is rated for 100 kVdc holdoff in a protective atmosphere, with a 90 amperes pulse cathode current rating during conduction and a 300 kW anode dissipation rating (average during pulse). Peak anode current capability in excess of 150 amperes for short pulse operation is practical.

FEATURES:

Maximum plate dissipation:	300,000 Watts
Maximum screen dissipation:	3,500 Watts
Maximum grid dissipation:	1,500 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	12.0 Volts
Current:	660.0 Amps
Capacitance: Grounded cathode	
Input:	770.0 pF
Output:	122.0 pF
Feedthrough:	4.0 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Water and Forced Air
Base:	Special
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	28.8 in; 73.15 cm
Diameter:	12.0 in; 30.48 cm
Weight:	98 lb; 44.5 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Science

		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)
---	Switch tube (maximum regulation range 20 Kv)	100,000	90	---	---	---	---	---
---	Pulse modulator	100,000	90	83,000	1,000	80	---	6.4

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.

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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.