

Communications & Power Industries Tetrode



The 4CW100,000D is recommended for use as a Class C RF amplifier or oscillator, a Class AB RF linear amplifier, or a Class AB push-pull AF amplifier or modulator. The 4CW100,000D is also useful as a plate and screen-modulated Class C RF amplifier and in pulse modulator service.

FEATURES:

Maximum plate dissipation:	100,000 Watts
Maximum screen dissipation:	1,7500 Watts
Maximum grid dissipation:	500 Watts
Frequency for max rating (CW):	30 MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	10.0 Volts
Current:	295 Amps
Capacitance: Grounded cathode	
Input:	440.0 pF
Output:	55.0 pF
Feedthrough:	2.3 pF
Capacitance: Grounded grid	
Input:	175.0 pF
Output:	55.0 pF
Feedthrough:	0.4 pF
Cooling:	Water and Forced Air
Base:	Special Graduated Rings
Air Socket:	SK-1500
Air Chimney:	---
Boiler:	---
Length:	18.00 in; 457.00 mm
Diameter:	8.00 in; 203.00 mm
Weight:	60.0 lb; 27.2 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Industrial

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)
C	RF Amplifier	20,000	15.0	19,000	750	10.0	1,165	165.0
C	RF Amplifier Plate Modulated	17,500	15.0	16,000	750	10.0	870	138.0
AB1	RF Linear Amplifier	20,000	15.0	18,000	1,500	10.0	---	123.0
AB1	AF Amplifier or Modulator (2 tubes)	20,000	15.0	18,000	1,500	20.0	---	246.0
---	Switch Tube or Pulse Modulator	40,000	200	38,000	1,500	112	1,680	3,600.0

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.

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