

## Communications & Power Industries Tetrode



The 4CW10,000A/8661 is electrically identical to the 4CX10,000D/8171 and 4CX5000A/8170 except for its plate dissipation, which is rated at 12 kW. The tube is useful up to 110 MHz and is suggested for general use as an oscillator, amplifier or modulator. A pair of these tubes will deliver more than 30 kW of audio output.

### FEATURES:

Maximum plate dissipation:	12,000 Watts
Maximum screen dissipation:	250 Watts
Maximum grid dissipation:	75 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	7.5 Volts
Current:	75 Amps
Capacitance: Grounded cathode	
Input:	115.0 pF
Output:	20.5 pF
Feedthrough:	1.0 pF
Capacitance: Grounded grid	
Input:	53.0 pF
Output:	20.5 pF
Feedthrough:	0.16 pF
Cooling:	Water and Forced Air
Base:	Special Coaxial
Air Socket:	SK-300A
Air Chimney:	---
Boiler:	---
Length:	11.44 in; 29.06 cm
Diameter:	4.66 in; 11.84 cm
Weight:	7.5 lb; 3.4 kg

### BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

### APPLICATIONS:

- Communications
- 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 to 30 MHz	7,500	3.0	7,500	500	2.8	150	16.0
C	RF amplifier to 110 MHz	6,500	2.6	---	---	---	---	---
C	RF amplifier plate modulated	5,000	2.5	5,000	500	2.4	120	8.5
AB1	RF linear amplifier	7,500	4.0	7,500	1,500	3.33	---	15.95
AB1	AF amplifier or modulator (2 tubes)	7,500	4.0	7,500	1,500	6.66	---	31.9

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

Contact us at [MPPMarketing@cpii.com](mailto: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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