

## Communications & Power Industries Tetrode



The 4CW10,000B is recommended for use as a linear amplifier for HF and VHF service. It incorporates a special anode cooling jacket and a thoriated tungsten mesh filament to achieve very low noise modulation of the electron stream. The tube is rated for full input up to 110 MHz.

### 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:	120.0 pF
Output:	20.5 pF
Feedthrough:	0.7 pF
Capacitance: Grounded grid	
Input:	56.0 pF
Output:	21.5 pF
Feedthrough:	0.1 pF
Cooling:	Water and Forced Air
Base:	Special Coaxial
Air Socket:	SK-300A
Air Chimney:	---
Boiler:	---
Length:	9.0 in; 23.0 cm
Diameter:	4.33 in; 11.0 cm
Weight:	8.6 lb; 3.9 kg

### BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

### APPLICATIONS:

- Medical

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)
AB1	RF linear amplifier	7,500	4	7,500	1,600	2.2	---	10.0

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.



**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](mailto:MPPMarketing@cpii.com)  
web [www.cpii.com/MPP](http://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.

©2020 Communications & Power Industries LLC.  
Company proprietary: use and reproduction is strictly prohibited without written authorization from CPI.