

## Communications & Power Industries Tetrode



The 4CX250B/7203 has a maximum plate dissipation rating of 250 watts and a maximum input power rating of 500 watts. The 4CX250B/7203 is designed to operate with a heater voltage of 6.0 volts.

### FEATURES:

Maximum plate dissipation:	250 Watts
Maximum screen dissipation:	12 Watts
Maximum grid dissipation:	2 Watts
Frequency for max rating (CW):	500 MHz
Amplification factor:	5
Filament/cathode:	Oxide Coated
Voltage:	6.0 Volts
Current:	2.6 Amps
Capacitance: Grounded cathode	
Input:	15.7 pF
Output:	4.5 pF
Feedthrough:	.04 pF
Capacitance: Grounded grid	
Input:	13.0 pF
Output:	4.5 pF
Feedthrough:	.01 pF
Cooling:	Forced Air
Base:	9 Pin Special
Air Socket:	SK-600A
Air Chimney:	SK-606
Boiler:	---
Length:	2.46 in; 62.50 mm
Diameter:	1.64 in; 41.70 mm
Weight:	4 oz; 113 gm

### BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

### APPLICATIONS:

- Communications
- Amateur Service

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 up to 175 MHz	2,000	0.25	2,000	300	.250	2.9	0.390
C	RF amplifier plate modulated up to 175 MHz	1,500	0.25	1,500	250	.200	1.7	0.235
AB1	RF linear amplifier up to 175 MHz	2,000	0.25	2,000	350	0.25	---	0.300
AB1	RF linear amplifier (AM service) up to 175 MHz	2,000	0.25	2,000	350	0.15	---	0.65
AB1	AF amplifier or modulator	2,000	0.25	2,000	350	0.50	---	0.600

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.