

## Communications & Power Industries Tetrode



The 4CX3500A is a compact power tetrode designed to be used in VHF power amplifier service. It features a type of internal structure that results in high RF operating efficiency up to 220 MHz. This tube is also recommended for use as a VHF TV linear amplifier, for use as a Class C radio frequency power amplifier and plate-modulated radio frequency audio amplifier.

### FEATURES:

Maximum plate dissipation:	3,500 Watts
Maximum screen dissipation:	162 Watts
Maximum grid dissipation:	50 Watts
Frequency for max rating (CW):	220 MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	5.0 Volts
Current	90 Amps
Capacitance: Grounded cathode	
Input:	58.5 pF
Output:	10.0 pF
Feedthrough:	0.5 pF
Capacitance: Grounded grid	
Input:	58.5 pF
Output:	10.0 pF
Feedthrough:	0.4 pF
Cooling:	Forced Air
Base:	Special Coaxial
Air Socket:	SK-340
Air Chimney:	---
Boiler:	---
Length:	3.25 in; 346 mm
Diameter:	7.25 in; 181.45 mm
Weight:	4.94 oz; 125 gm

### BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

### APPLICATIONS:

- Communications

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	Grid driven RF amplifier	5,500	2.0	5,000	500	1.32	25	5.28
C	Grid driven RF amplifier	5,500	2.0	4,300	750	1.90	66	5.53

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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