

Communications & Power Industries Tetrode



The 4CX1500A is a general purpose tetrode for use up to and through VHF. Insulation is ceramic and the thoriated tungsten filament is a rugged mesh design. The screen terminal is a continuous ring which allows good isolation between the plate and the control grid circuit. The 4CX1500A is recommended for use as a Class C power amplifier, Class B or Class AB1 linear amplifier, and as a regulator and in pulse modulator service.

FEATURES:

Maximum plate dissipation:	1,500 Watts
Maximum screen dissipation:	75 Watts
Maximum grid dissipation:	25 Watts
Frequency for max rating (CW):	150 MHz
Amplification factor:	5.5
Filament/cathode:	Thoriated Tungsten
Voltage:	5.0 Volts
Current:	38.5 Amps
Capacitance: Grounded cathode	
Input:	78.0 pF
Output:	10.5 pF
Feedthrough:	0.5 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	Special, Breechblock
Air Socket:	SK-831
Air Chimney:	SK-806
Boiler:	---
Length:	4.90 in; 124.5 mm
Diameter:	3.37 in; 85.60 mm
Weight:	36 oz; 850 gm

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 at 30 MHz	5,000	1.0	4,000	500	0.80	3.6	2.5
C	RF Amplifier at 220 MHz	3,000	1.0	3,000	500	1.01	31.5	1.5
C	RF Amplifier Plate Modulated at 30 MHz	3,500	0.8	3,400	500	0.90	10	2.32
AB	RF Linear Amplifier at 30 MHz	4,000	1.0	3,900	600	0.75	---	1.85
AB	AF Amplifier or Modulator (2 tubes)	4,000	1.0	3,900	600	1.5	---	3.7

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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