

## Communications & Power Industries Tetrode



The 4CX300Y/8561 is a compact power tetrode having a maximum plate dissipation rating of 400 watts. It may be operated at maximum ratings to 110 MHz. The ceramic/metal construction and the internally utilized electrode structure combine to make the 4CX300Y/8561 especially durable and free from mechanically induced noise under conditions of severe acceleration caused by shock and vibration.

### FEATURES:

Maximum plate dissipation:	400 Watts
Maximum screen dissipation:	8 Watts
Maximum grid dissipation:	1 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	5.6
Filament/cathode:	Oxide Coated
Voltage:	6.0 Volts
Current:	3.5 Amps
Capacitance: Grounded cathode	
Input:	34.0 pF
Output:	4.5 pF
Feedthrough:	.04 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	Special, Breechblock
Air Socket:	SK-700
Air Chimney:	SK-606
Boiler:	---
Length:	2.50 in; 63.50 mm
Diameter:	1.64 in; 41.60 mm
Weight:	4 oz; 113 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	RF amplifier	2,000	0.40	2,000	250	0.40	3.8	0.600
	RF Amplifier plate modulated	1,500	0.30	1,500	250	0.30	1.7	0.300
AB1	RF amplifier	2,000	0.40	2,000	400	0.38	---	0.415
AB1	RF linear amplifier (AM service)	2,000	0.40	2,000	400	0.20	---	0.115
AB1	AF amplifier or modulator	2,500	0.40	2,000	400	0.75	---	0.890

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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