

Communications & Power Industries Tetrode



The 4CX300A/8167 is a compact power tetrode having a maximum plate dissipation rating of 300 watts. The ceramic/metal construction and the internally utilized electrode structure combine to make the 4CX300A/8167 especially durable and free from mechanically induced noise under conditions of severe acceleration caused by shock and vibration.

FEATURES:

Maximum plate dissipation:	300 Watts
Maximum screen dissipation:	12 Watts
Maximum grid dissipation:	2 Watts
Frequency for max rating (CW):	500 MHz
Amplification factor:	4.8
Filament/cathode:	Oxide Coated
Voltage:	6.0 Volts
Current:	2.9 Amps
Capacitance: Grounded cathode	
Input:	29.0 pF
Output:	4.0 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	0.25	2,000	250	0.25	2.9	0.390
C	RF amplifier at 500 MHz	2,000	0.25	2,000	250	0.25	---	0.225
C	RF amplifier plate modulated	1,500	0.20	1,500	250	0.20	1.7	0.235
AB1	RF linear amplifier	2,500	0.25	2,500	350	0.25	---	0.400
AB1	RF linear amplifier (AM service)	2,500	0.25	2,500	350	0.15	---	0.85

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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