

Communications & Power Industries Tetrode



The 4CX1000A/8168 is a low voltage, high current tetrode specifically designed for Class AB₁ RF linear amplifier or audio amplifier applications where its high gain and low distortion characteristics may be used to advantage.

FEATURES:

Maximum plate dissipation:	1,000 Watts
Maximum screen dissipation:	12 Watts
Maximum grid dissipation:	0 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	---
Filament/cathode:	Oxide Coated
Voltage:	6.0 Volts
Current:	9.0 Amps
Capacitance: Grounded cathode	
Input:	81.0 pF
Output:	11.8 pF
Feedthrough:	0.1 pF
Capacitance: Grounded grid	
Input:	35.5 pF
Output:	12.0 pF
Feedthrough:	.00 pF
Cooling:	Forced Air
Base:	Special, Breechblock
Air Socket:	SK-800B
Air Chimney:	SK-806
Boiler:	---
Length:	4.80 in; 122.00 mm
Diameter:	3.37 in; 85.50 mm
Weight:	27 oz; 0.77 km

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)
AB1	RF Linear Amplifier at 30 MHz	3,000	1.0	3,000	325	0.9	---	1.63
AB1	AF Amplifier or Modulator*	3,000	1.0	3,000	325	1.8	---	3.23
	* Two Tubes							

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.



**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
web 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.