

# 4CX1000A/8168

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.



## CHARACTERISTICS

Plate Dissipation (Max.)	1000 Watts
Screen Dissipation (Max.)	12 Watts
Grid Dissipation (Max.)	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	.01 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

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	1.8	---	1.63
AB1	AF amplifier or modulator	3,000	1.0	3,000	325	1.8	---	3.23

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



**For information** on this and other CPI products, visit our website at: [www.cpii.com](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303  
**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com