

The 4CX15,000A/8281 is intended for use in audio or radio frequency applications. It features a new type of internal mechanical structure which results in high RF operating efficiency. Low RF losses in this mechanical structure permit operation of the 4CX15,000A/8281 at full ratings up to 110 MHz and at reduced ratings to 225 MHz.



## CHARACTERISTICS

Plate Dissipation (Max.)	15,000 Watts
Screen Dissipation (Max.)	450 Watts
Grid Dissipation (Max.)	200 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	6.3 Volts
Current	160 Amps
Capacitance	Grounded Cathode
Input	160.5 pf
Output	24.5 pf
Feedthrough	1.5 pf
Capacitance	Grounded Grid
Input	67 pf
Output	25.5 pf
Feedthrough	0.2 pf
Cooling	Forced Air
Base	Special, Coaxial
Air Socket	SK-300A
Air Chimney	SK-316
Boiler	---
Length	9.38 in; 238 mm
Diameter	7.58 in; 193 mm
Weight	12.8 lb; 5.8 kg

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	10,000	6.0	10,000	750	4.6	220	36.5
C	RF amplifier plate modulated	8,000	4.0	8,000	750	3.7	150	23.5
AB1	RF linear amplifier	10,000	6.0	10,000	1,500	4.3	---	28.5
AB1	AF amplifier or modulator (2 tubes)	10,000	6.0	10,000	1,500	8.5	---	57.7
---	Television linear amplifier	6,600	5.0	6,000	700	3.3	1,350	16.5

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](mailto:powergrid@cpii.com)