

The 4CW10,000A/8661 is electrically identical to the 4CX10,000D/8171 and 4CX5000A/8170 except for its plate dissipation, which is rated at 12 kW. The tube is useful up to 110 MHz and is suggested for general use as an oscillator, amplifier, or modulator. A pair of these tubes will deliver more than 30 kW of audio output. tube.



CHARACTERISTICS

Plate Dissipation (Max.)	12,000 Watts
Screen Dissipation (Max.)	250 Watts
Grid Dissipation (Max.)	75 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	75 Amps
Capacitance	Grounded Cathode
Input	115 pf
Output	20.5 pf
Feedthrough	1.0 pf
Capacitance	Grounded Grid
Input	53 pf
Output	20.5 pf
Feedthrough	.16 pf
Cooling	Water and Forced Air
Base	Special Coaxial
Air Socket	SK-300A
Air Chimney	---
Boiler	---
Length	11.44 in; 29.06 cm
Diameter	4.66 in; 11.84 cm
Weight	7.5 lb; 3.4 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 to 30 MHz	7,500	3.0	7,500	500	2.8	150	16.0
C	RF amplifier to 110 MHz	6,500	2.6	---	---	---	---	---
C	RF amplifier plate modulated	5,000	2.5	5,000	500	2.4	120	8.5
AB1	RF linear amplifier	7,500	4.0	7,500	1,500	3.33	---	15.95
AB1	AF amplifier or modulator (2 tubes)	7,500	4.0	7,500	1,500	6.66	---	31.9

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, or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303
TELEPHONE: 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com