

4CW10,000B

The 4CW10,000B is recommended for use as a linear amplifier for HF and VHF service. It incorporates a special anode cooling jacket and a thoriated tungsten mesh filament to achieve very low noise modulation of the electron stream. The tube is rated for full input up to 110 MHz.



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	120 pf
Output	20.5 pf
Feedthrough	0.7 pf
Capacitance	Grounded Grid
Input	56 pf
Output	21.5 pf
Feedthrough	0.1 pf
Cooling	Water and Forced Air
Base	Special Coaxial
Air Socket	SK-300A
Air Chimney	---
Boiler	---
Length	9.0 in; 23.0 cm
Diameter	4.33 in; 11.0 cm
Weight	8.6 lb; 3.9 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)
AB1	RF linear amplifier	7,500	4	7,500	1,600	2.2	---	10.0

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