

4CX10,000J

The 4CX10,000J has a rated maximum plate dissipation of 12 kW. It incorporates rugged internal construction features including a mesh filament. The 4CX10,000J is specifically designed for low intermodulation distortion in radio frequency linear amplifier service.



CHARACTERISTICS

Plate Dissipation (Max.)	12,000 Watts
Screen Dissipation (Max.)	250 Watts
Grid Dissipation (Max.)	75 Watts
Frequency for Max. rating (CW)	100 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	103 Amps
Capacitance	Grounded Cathode
Input	120.0 pf
Output	20.5 pf
Feedthrough	0.7 pf
Capacitance	Grounded Grid
Input	56.0 pf
Output	21.5 pf
Feedthrough	0.1 pf
Cooling	Forced Air
Base	Special Coaxial
Air Socket	SK-300A
Air Chimney	SK-1306
Boiler	---
Length	9.125 in; 231.77 mm
Diameter	7.050 in;
	179.07.00 mm
Weight	12.2 lb; 5.55 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	4.0	7,500	1,600	2.2	---	10

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 Operation, 607 Hansen Way, Palo Alto, CA 94303
TELEPHONE: 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com