

The 3CX1500D7 is a compact, high-Mu triode with an anode dissipation rating of 1500 Watts. This power grid tube features high gain and operates with zero bias in class AB2 as a linear amplifier or, with simple cathode bias, it provides good efficiency in class B and class C. A single 3CX1500D7 will replace two 3-500Zs in many applications.



## CHARACTERISTICS

Anode Dissipation (Max.)	1,500 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	50 Watts
Frequency for Max. rating (CW)	100 MHz
Amplification Factor	200
Filament/Cathode	Thoriated Tungsten
Voltage	5.0 Volts
Current	30 Amps
Capacitance	Grounded Grid
Input	18.6 pf
Output	7.2 pf
Feedthrough	0.4 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Special, Five Pin
Air Socket	EIMAC SK-410
Air Chimney	---
Boiler	---
Length	5.6 in; 143 mm
Diameter	3.42 in; 8.69 mm
Weight	2.4 lb ; 1.1 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)
AB2	RF linear amplifier	6,000	0.8	3,000	---	0.72	80	1.45
AB	RF liner amplifier	6,000	0.8	4,500	---	0.64	70	1.95
B	RF power amplifier	6,000	0.8	5,000	---	0.71	95	2.4

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