

The 3CW5000A7 is a water-cooled high-Mu triode intended for use as an rf amplifier in industrial applications where water cooling is preferred over air cooling. This tube is a water cooled version of the 3CX3000A7.



CHARACTERISTICS

Plate Dissipation (Max.)	5,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	225 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	160
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	51.5 Amps
Capacitance	Grounded Cathode
Input	38 pf
Output	0.6 pf
Feedthrough	24 pf
Capacitance	Grounded Grid
Input	38 pf
Output	24 pf
Feedthrough	0.6 pf
Cooling	Water and Forced Air
Base	Special Coaxial
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	12.625 in; 32 cm
Diameter	3.625 in; 9.22 cm
Weight	4.8 lb; 2.2 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 C	Cathode Driven RF Linear Amplifier Cathode Driven RF Amplifier	5,000	2.5	4,800	---	2.0	410	7.26
		5,000	0.9	4,800	---	1.5	435	5.5

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 MPP products, visit our website at: www.cpii.com, or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303
TELEPHONE: 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com