

The 3CX6000A7/YU-148 high- μ , forced air cooled power triode provides relatively high power output as an amplifier, oscillator, or modulator at low plate voltages. The tube has a low inductance cylindrical filament stem structure which readily becomes part of a linear filament tank circuit for VHF operation. The grid provides shielding between the input and output circuits for grounded grid applications and conveniently terminates in a ring between the plate and filament terminals.



CHARACTERISTICS

Plate Dissipation (Max.)	6,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	225 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	200
Filament/Cathode	Thoriated Tungsten
Voltage	7.0 Volts
Current	78.0 Amps
Capacitance	Grounded Cathode
Input	42.0 pf
Output	0.28 pf
Feedthrough	24 pf
Capacitance	N/A
Input	N/A
Output	N/A
Feedthrough	N/A
Cooling	Forced Air
Base	Special, Coaxial
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	9.00 in; 22.86 cm
Diameter	6.125 in; 15.56 cm
Weight	9.1 lb; 4.1 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)
C	RF Amplifier	7,000	3.5	5,700	---	2.5	600	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 MPP products, visit our website at: www.cpii.com, or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303
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