

Communications & Power Industries Triode



The 3CX6000A7/YU-148 high-mu, force 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.

FEATURES:

Maximum plate dissipation:	6,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	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:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Capacitance: Grounded grid	
Input:	42.0 pF
Output:	0.28 pF
Feedthrough:	24.0 pF
Cooling:	Forced Air
Base:	Special, Coaxial
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	9.00 in; 22.86 mm
Diameter:	6.125 in; 15.56 mm
Weight:	9.1 lb; 4.1 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications

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

With a history of producing high quality products, we can help you with your triode.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only.

Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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