

Communications & Power Industries Triode



The 3CPX5000A7 high-mu triode is designed for use as a cathode driven Class AB pulsed power amplifier and as a switch tube in cathode or grid drive service. The tube does not require a socket as it is designed to bolt directly to the chassis by means of the grid flange. Cathode and heater connections are made by bolting directly to the amplifier circuitry. These features reduce equipment cost and complexity.

FEATURES:

Maximum plate dissipation:	5,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	225 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	20
Filament/cathode:	Oxide Coated
Voltage:	15.0 Volts
Current:	14.0 Amps
Capacitance: Grounded cathode	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Capacitance: Grounded grid	
Input:	95.0 pF
Output:	35.0 pF
Feedthrough:	0.5 pF
Cooling:	Forced Air
Base:	Direct Chassis Mount
Air Socket:	---
Air Chimney:	SK-306
Boiler:	---
Length:	8.25 in; 20.96 cm
Diameter:	4.94 in; 12.55 cm
Weight:	9.5 lb; 4.3 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Industrial
- Medical

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)
AB	Cathode driven RF Linear Amplifier, Pulsed	6,500	67	6,500	---	14.9	6,500	60.0
---	Switch tube or pulse modulator	12,000	67	12,000	---	67.5	---	---

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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