

Communications & Power Industries Triode



The 3CX1500D7 is a compact, high-mu triode with an anode dissipation rate 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 3-500Z's in many applications.

FEATURES:

Maximum plate dissipation:	1,500 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	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 cathode	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Capacitance: Grounded grid	
Input:	18.6 pF
Output:	7.2 pF
Feedthrough:	0.4 pF
Cooling:	Forced Air
Base:	5-Pin Special
Air Socket:	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

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial
- Amateur Service

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

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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