

Communications & Power Industries Triode



The 3CW2000A7 is a rugged liquid-cooled ceramic metal power triode designed for use as a cathode-driven Class AB₂ or Class B amplifier, in audio or RF applications including the VHF band, or as a cathode-driven plate modulated Class C RF amplifier. As a linear amplifier, high power gain may be obtained without sacrifice of low intermodulation distortion characteristics. Low grid interception and high amplification factor combine to make the 3CW2000A7 drive power requirements exceptionally low for a tube of this power capacity. Except for the liquid-cooled anode, the 3CW2000A7 is identical to the Eimac 8877/3CX1500A7.

FEATURES:

Maximum plate dissipation:	1,500 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	25 Watts
Frequency for max rating (CW):	250 MHz
Amplification factor:	200
Filament/cathode:	Oxide Coated
Voltage:	5.0 Volts
Current:	10.5 Amps
Capacitance: Grounded cathode	
Input:	38.5 pF
Output:	0.1 pF
Feedthrough:	10 pF
Capacitance: Grounded grid	
Input:	38.5 pF
Output:	10 pF
Feedthrough:	0.1 pF
Cooling:	Liquid and Forced Air
Base:	7-Pin Special
Air Socket - Grounded Cathode:	SK-2220
Air Socket - Grounded Grid:	SK-2210
Air Chimney:	---
Boiler:	---
Length:	4.56 in; 115 mm
Diameter:	2.66 in; 67.6 mm
Weight:	25.0 oz; 708.8 gm

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Industrial

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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