

## Communications & Power Industries Triode



The 3CX3000F1/8239 low-mu power triode is forced-air cooled and is intended for use as an audio amplifier or modulator. Available high plate current under Class AB<sub>1</sub> operating conditions permits high power gain with a minimum of distortion. The tube is identical to the 3CX3000A1/8238 except for the addition of flexible filament and grid leads on the base which can simplify some installations

### FEATURES:

Maximum plate dissipation:	4,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	50 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	5
Filament/cathode:	Thoriated Tungsten
Voltage:	7.5 Volts
Current:	51.5 Amps
Capacitance: Grounded cathode	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	Flexible Leads
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	18.44 in; 464.40 mm
Diameter:	4.16 in; 105.70 mm
Weight:	7.5 lb; 3.4 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)
AB1	Grid driven AF amplifier or modulator	6,000	2.5	5,500	---	2.2	---	8.25

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

Contact us at [MPPMarketing@cpii.com](mailto: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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