

Communications & Power Industries Triode



The 3CX1000A7/8283 high mu triode is intended for Class AB₂ linear amplifier service in either grid-driven or cathode driven configuration. It is recommended for use as a grid-driven push-pull audio amplifier or modulator and as a cathode driven linear amplifier through the VHF-TV bands.

FEATURES:

Maximum plate dissipation:	1,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	45 Watts
Frequency for max rating (CW):	220 MHz
Amplification factor:	200
Filament/cathode:	Thoriated Tungsten
Voltage:	5.0 Volts
Current:	30.5 Amps
Capacitance: Grounded cathode	
Input:	32.0 pF
Output:	0.15 pF
Feedthrough:	14.0 pF
Capacitance: Grounded grid	
Input:	32.0 pF
Output:	14.0 pF
Feedthrough:	0.15 pF
Cooling:	Forced Air
Base:	Special Breechblock
Air Socket:	SK-860
Air Chimney:	SK-870
Boiler:	---
Length:	4.80 in; 121.90 mm
Diameter:	3.38 in; 85.80 mm
Weight:	2.0 lb; 0.91 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial

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	Grid driven RF amplifier	3,500	0.7	---	---	---	---	---
C	Grid driven RF amplifier plate modulated	2,000	0.55	---	---	---	---	---
AB2	Cathode driven RF linear amplifier	3,500	1.0	3,500	---	0.86	100	2060
AB2	Grid driven amplifier or modulator	3,500	1.0	2,500	---	2.0	44	3100

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.



**Microwave Power
Products Division**
811 Hansen Way
Palo Alto, California
USA 94304

tel +1 650-846-2800
fax +1 650-856-0705
email MPPMarketing@cpii.com
web www.cpii.com/MPP

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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