

## Communications & Power Industries Triode



The 3CX1200Z7/YU-181 is a high mu, forced air cooled rugged ceramic triode intended for use as a grounded grid, zero bias Class AB<sub>2</sub> amplifier.

### FEATURES:

Maximum plate dissipation:	1,200 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	50 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	200
Filament/cathode:	Thoriated Tungsten
Voltage:	6.3 Volts
Current:	25.0 Amps
Capacitance: Grounded cathode	
Input:	17.6 pF
Output:	9.7 pF
Feedthrough:	0.8 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	
Air Socket:	SK-410
Air Chimney:	---
Boiler:	---
Length:	5.550 in; 140.97 mm
Diameter:	3.5 in; 88.9 mm
Weight:	2.4 lb; 1.09 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)
AB	RF linear amplifier	5,500	0.8	4,000	---	.562	53	1.615

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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