

Communications & Power Industries Tetrode



The 4CX25,000A is a ceramic/metal power tetrode intended for use in VHF-TV linear amplifier service. It features a type of internal mechanical structure which results in high RF operating efficiency. Low RF losses in this structure permit operation at full range to 230 MHz in TV linear amplifier service. The anode is rated for 25 kW dissipation with forced-air cooling and uses a highly efficient cooler which significantly reduces air pressure and flow requirements and produces low acoustical noise.

FEATURES:

Maximum plate dissipation:	25,000 Watts
Maximum screen dissipation:	300 Watts
Maximum grid dissipation:	180 Watts
Frequency for max rating (CW):	230 MHz
Amplification factor:	6.7
Filament/cathode:	Thoriated Tungsten
Voltage:	8.5 Volts
Current:	150 Amps
Capacitance: Grounded cathode	
Input:	170.0 pF
Output:	18.6 pF
Feedthrough:	0.6 pF
Capacitance: Grounded grid	
Input:	79.0 pF
Output:	19.0 pF
Feedthrough:	0.7 pF
Cooling:	Forced Air
Base:	Special Coaxial
Air Socket:	SK-320
Air Chimney:	SK-326
Boiler:	---
Length:	9.15 in; 23.2 cm
Diameter:	8.86 in; 22.5 cm
Weight:	26.4 lb; 12 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- TV Tubes

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 power amplifier, visual TV service (cathode driven)	9,000	8.0	7,800	1,080	5.35	1200	32.0

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

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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