

Communications & Power Industries Tetrode



The 4CX250R/7580W is designed specifically for use in Class AB₁ linear amplifiers where shock and/or vibration preclude the use of non-ruggedized tube types. The 4CX250R/7580W will replace the 4CX250B in equipments where the range of bias adjustment will tolerate this higher purity tube and where tuning range can compensate for the small differences in input and output capacitances. The 4CX250R/7580W will deliver more output in most linear amplifiers which presently employ the 4CX250B. It will operate with maximum rated plate and screen voltage applied in equipment where shock and/or vibration is experienced.

FEATURES:

Maximum plate dissipation:	250 Watts
Maximum screen dissipation:	12 Watts
Maximum grid dissipation:	2 Watts
Frequency for max rating (CW):	500 MHz
Amplification factor:	5
Filament/cathode:	Oxide Coated
Voltage:	6.0 Volts
Current:	2.6 Amps
Capacitance: Grounded cathode	
Input:	17.5 pF
Output:	4.8 pF
Feedthrough:	.04 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	9 Pin Special
Air Socket:	SK-600A
Air Chimney:	SK-606
Boiler:	---
Length:	2.46 in; 62.50 mm
Diameter:	1.64 in; 41.70 mm
Weight:	4 oz; 113 gm

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	RF linear Amplifier	2,000	0.25	2,000	400	0.25	---	0.3
AB1	RF linear amplifier (AM service)	2,000	0.25	2,000	400	0.17	---	0.1
AB1	AF amplifier or modulator	2,000	0.25	2,000	350	0.50	---	0.595

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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