250 W RADIAL BEAM POWER TETR0DE 4CX250FG/8621

Communications & Power Industries Tetrode

The 4CX250FG/8621 has a maximum plate dissipation rating of 250 watts and a maximum input power rating of 500 watts. The 4CX250FG/8621 is designed for operation at a heater voltage of 26.5 volts.

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:	26.5 Volts
Current:	0.54 Amps
Capacitance: Grounded cathode	
Input:	15.7 pF
Output:	4.5 pF
Feedthrough:	.04 pF
Capacitance: Grounded grid	
Input:	13.0 pF
Output:	4.5 pF
Feedthrough:	.01 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

		MAXIMUM RATINGS		TYPICAL OPERATION				
Class of Operation	Type of Service	Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
C	RF amplifier up to 175 MHz	2,000	0.25	2,000	300	.250	2.9	0.390
C	RF amplifier plate modulated up to 175 MHz	1,500	0.25	1,500	250	.200	1.7	0.235
AB1	RF linear amplifier up to 175 MHz	2,000	0.25	2,000	350	0.25	---	0.300
AB1	RF linear amplifier (AM service) up to 175 MHz	2,000	0.25	2,000	350	0.15	---	0.65
AB1	AF amplifier or modulator	2,000	0.25	2,000	350	0.50	---	0.600

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.