Communications & Power Industries Tetrode

The 4CW150,000E is intended for use as a Class C RF amplifier or oscillator, Class AB push-pull AF amplifier or modulator as well as a plate and screen-modulated Class C RF amplifier. In pulse modulator service, it can deliver a peak output of 4 megawatts. The tube is characterized by low input and feedback capacitances and low internal lead inductances.

FEATURES:

Maximum plate dissipation:	150,000 Watts
Maximum screen dissipation:	1,750 Watts
Maximum grid dissipation:	500 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	---
Filament/cathode:	Thoriated Tungsten
Voltage:	15.5 Volts
Current:	215 Amps
Capacitance: Grounded cathode	
Input:	370.0 pF
Output:	60.0 pF
Feedthrough:	1.0 pF
Capacitance: Grounded grid	
Input:	175.0 pF
Output:	60.0 pF
Feedthrough:	0.35 pF
Cooling:	Water and Forced Air
Base:	Special Coaxial
Air Socket:	SK-2011A
Air Chimney:	---
Boiler:	---
Length:	14.3 in; 36.2 cm
Diameter:	9.5 in; 24.2 cm
Weight:	47 lb; 21.4 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Industrial

		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	22,000	20.0	20,000	1,500	15.2	120	220.0
C	RF amplifier	17,500	20.0	15,000	750	11.7	530	140.0
AB1	RF linear amplifier	22,000	20.0	18,000	1,500	13.5	---	168.0
---	Pulse modulator	40,000	200	40,000	2,500	122	---	4,100.0

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.