25 KW WATER COOLED POWER TETR0DE 4CW25,000A

Communications & Power Industries Tetrode

The 4CW25,000A is a tetrode for use in audio or radio frequency applications. It is recommended for RF linear power amplifier service for television linear amplifier service, and as a switch tube for pulsed regulator service.

FEATURES:

Maximum plate dissipation:	25,000 Watts
Maximum screen dissipation:	450 Watts
Maximum grid dissipation:	20 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	6.3 Volts
Current:	160 Amps
Capacitance: Grounded cathode	
Input:	160.0 pF
Output:	24.5 pF
Feedthrough:	1.5 pF
Capacitance: Grounded grid	
Input:	67.0 pF
Output:	25.5 pF
Feedthrough:	0.2 pF
Cooling:	Water and Forced Air
Base:	Special Coaxial
Air Socket:	SK-300A
Air Chimney:	---
Boiler:	---
Length:	12.69 in; 322.00 mm
Diameter:	4.75 in; 121.00 mm
Weight:	13.5 lb; 6.1 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial
- Medical

		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	10,000	5.0	10,000	750	4.5	220	36.5
C	RF amplifier plate modulated	8,000	4.0	8,000	750	3.6	150	23.5
AB1	RF linear amplifier	10,000	6.0	10,000	1,500	4.2	---	28.5
AB1	AF amplifier or modulator	10,000	6.0	10,000	1,500	8.5	---	57.0

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.

Communications & Power Industries

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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.