10 KW PULSE MODULATOR TETRODE 4CPW10,000R/9016

Communications & Power Industries Tetrode

The 4CPW10,000R/9016 is intended for use as a pulse modulator or regulator for use with magnetrons, crossed-field amplifiers, TWTs klystrons and other RF power sources. The inherent constant current characteristic of this tetrode is well suited for series switching of plasma discharge devices, electron beam welding equipment, etc. The rugged construction of this tube allows it to be used under demanding vibration and shock conditions. The holdoff voltage rating is 25 kVdc in pulse modulator or regulator service with a peak anode current of 24 amperes.

FEATURES:

Maximum plate dissipation:	10,000 Watts
Maximum screen dissipation:	250 Watts
Maximum grid dissipation:	75 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	7.5 Volts
Current:	75 Amps
Capacitance: Grounded cathode	
Input:	115.0 pF
Output:	20.5 pF
Feedthrough:	0.7 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Water and Forced Air
Base:	Special Coaxial
Air Socket:	SK-300A
Air Chimney:	---
Boiler:	---
Length:	11.44 in; 29.06 cm
Diameter:	4.66 in; 11.84 cm
Weight:	7.5 lb; 3.4 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Science

		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)
---	Switch tube or pulse modulator	25,000	24.0	20,000	1,250	20.0	---	370.0

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

Microwave Power Products Division
811 Hansen Way
Palo Alto, California
USA 94304

tel +1 650-846-2800
fax +1 650-856-0705
email MPPMarketing@cpii.com
web www.cpii.com/MPP

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.