

4CPW10,000R/9016

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.



CHARACTERISTICS

Plate Dissipation (Max.)	10,000 Watts
Screen Dissipation (Max.)	250 Watts
Grid Dissipation (Max.)	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 pf
Output	20.0 pf
Feedthrough	0.7 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Water and Forced Air
Base	Coaxial
Air Socket	SK-300A
Air Chimney	---
Boiler	---
Length	11.44 in; 29.06
Diameter	4.66 in; 11.84
Weight	7.5 lb; 3.4

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

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



For information on this and other CPI products, visit our website at: www.cpii.com, or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303
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