

## Communications & Power Industries Triode



The 3CW40,000A5 is a medium-mu power triode designed primarily for use as an RF power amplifier. Input of 100 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 1500 watt filament. The grid structure is rated at 1000 watts dissipation. The electrical characteristics of the 3CW40,000A5 closely match those of the Siemens RS2021W and it is, therefore, ideal as a retrofit.

### FEATURES:

Maximum plate dissipation:	40,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	1,000 Watts
Frequency for max rating (CW):	90 MHz
Amplification factor:	55
Filament/cathode:	Thoriated Tungsten
Voltage:	12.0 Volts
Current:	120 Amps
Capacitance: Grounded cathode	
Input:	70.0 pF
Output:	2.3 pF
Feedthrough:	43.0 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Water and Forced Air
Base:	Special Coaxial
Air Socket:	SK-1300
Air Chimney:	---
Boiler:	---
Length:	12.0 in; 304.8 mm
Diameter:	6.75 in; 171.5 mm
Weight:	17.0 lb; 7.7 kg

### BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

### APPLICATIONS:

- Industrial

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)
C	Grid driven RF amplifier	12,000	9.0	10,000	---	7.0	800	60.0

With a history of producing high quality products, we can help you with your triode.

Contact us at [MPPMarketing@cpii.com](mailto: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.

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