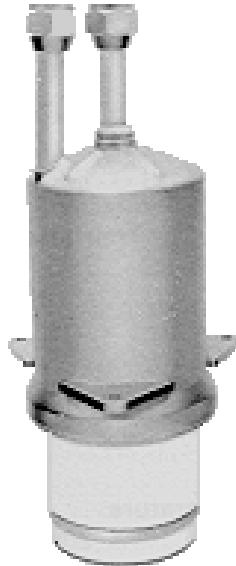


The 3CW40,000A5 is a medium-mu power triode designed primarily for use as an RF power amplifier. Input of 100 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 1500 watt filament. The grid structure is rated at 1000 watts dissipation. The electrical characteristics of the 3CW40,000A5 closely match those of the Siemens RS-2021W and it is therefore ideal as a retrofit.



## CHARACTERISTICS

Plate Dissipation (Max.)	40,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	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 pf
Capacitance	---
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

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

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](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303  
**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** [powergrid@cpii.com](mailto:powergrid@cpii.com)