

The 3CW20,000A3 is a medium-mu power triode intended primarily for use as a power oscillator in industrial heating applications. It is also recommended for use as a conventional plate-modulated amplifier, or as a linear amplifier. service.



## CHARACTERISTICS

Plate Dissipation (Max.)	20,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	250 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	99.0 Amps
Capacitance	Grounded Cathode
Input	53.0 pf
Output	1.4 pf
Feedthrough	34 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Water and Forced Air
Base	Coaxial
Air Socket	SK-1300
Air Chimney	---
Boiler	---
Length	11.22 in; 285.00 mm
Diameter	4.65 in; 118.10 mm
Weight	11.5 lb; 5.2 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 plate modulated	5,500	3.0	5,000	---	3.0	515	12.4
C	RF industrial oscillator	7,000	4.0	7,000	---	4.0	---	22.4

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.



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**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com