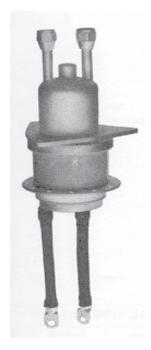




The 3CW10,000H3 is a water cooled, ceramic/ metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Its water-cooled anode is conservatively rated at 10 kW of plate dissipation with low water flow and pressure drop. Input of 30 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 560 watt filament. The grid structure is rated at 150 watts, making this tube an excellent choice for industrial service.



## 3CW10,000H3

## **CHARACTERISTICS**

Plate Dissipation (Max.) 10,000 Watts Screen Dissipation (Max.) Grid Dissipation (Max.) 150 Watts Frequency for Max. rating (CW) 90 MHz **Amplification Factor** 20

Filament/Cathode Thoriated Tungsten

Voltage 7.5 Volts 75.5 Amps Current

Capacitance **Grounded Cathode** 

Input 51.0 pf Output 1.5 pf Feedthrough 25 pf Capacitance Input --- pf Output --- pf Feedthrough --- pf

Cooling Water and Forced Air Flexible Filament Base

Leads

Air Socket Air Chimney Boiler

Length 18.75 in; 476.20 mm Diameter 6.80 in; 172.70 mm Weight 10 lb; 4053 kg

		MAXIMUI	M 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)
С	RF industrial oscillator	10,000	3.0	9,000		2.9		20.6

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