



The 3CW45,000H3 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 for 45 kW of plate dissipation with low water flow and pressure drop. The removable water jacket (SK-1360 - not included), allows inspection and cleaning of cooling passages as well as reducing tube replacement cost. A glazed ceramic is used to make insulator cleaning easy. Input of 150 kW is permissible up to 75 MHz. Plentiful reserve emission is available from its 1600 watt filament. The grid structure is rated at 750 watts, making this tube an excellent choice for industrial service.



3CW45,000H3

CHARACTERISTICS

Plate Dissipation (Max.) Screen Dissipation (Max.) ---Grid Dissipation (Max.) Frequency for Max. rating (CW) **Amplification Factor** 30 Filament/Cathode Voltage Current Capacitance Input Output Feedthrough 43 pf Capacitance ____ Input --- pf Output --- pf Feedthrough --- pf Cooling Base Air Socket ---Air Chimney ---Boiler ---Length Diameter Weight 14 lb; 6.4 kg

45,000 Watts 750 Watts 75 MHz **Thoriated Tungsten** 10.0 Volts 160 Amps Grounded Cathode 77.0 pf 2.3 pf Water and Forced Air **Flexible Filament** Leads 19.2 in; 487.7 mm 5.3 in; 134.6 mm

		MAXIMUM 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)
C	RF Industrial oscillator	14,000	11.5	13,000		11.5	1450	120.0

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