

The 3CW150,000H3 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 150 kW of plate dissipation with low water flow and pressure drop. Input of 320 kW is permissible up to 30 MHz. Plentiful reserve emission is available from its 310 watt filament. The grid structure is rated at 1500 watts, making this tube an excellent choice for industrial service.



CHARACTERISTICS

Plate Dissipation (Max.)	150,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	1,500 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	25
Filament/Cathode	Thoriated Tungsten
Voltage	10.0 Volts
Current	312 Amps
Capacitance	Grounded Cathode
Input	156 pf
Output	4.4 pf
Feedthrough	94 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Water and Forced Air
Base	Special
Air Socket	---
Air Chimney	---
Boiler	---
Length	20.4 in; 51.8 cm
Diameter	9.5 in; 24.1 cm
Weight	49 lb; 22.2 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	RF Industrial oscillator	18,000	18.0	16,000	---	13.0	3,000	173.0

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
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