



The 3CW30,000H7 is a high-mu power triode designed for use as a zero bias Class B RF amplifier, Class C power amplifier or oscillator, or for voltage regulator service. Input of 48 kW is permissible up to 110 MHz. Plentiful reserve emission is available from its one kilowatt filament. Class B operation with zero grid bias offers circuit simplification by eliminating the bias supply.



3CW30,000H7

CHARACTERISTICS

Plate Dissipation (Max.) 30,000 Watts
Screen Dissipation (Max.) --Grid Dissipation (Max.) 500 Watts
Frequency for Max. rating (CW) 110 MHz

Amplification Factor

Filament/Cathode Thoriated Tungsten
Voltage 6.3 Volts
Current 160 Amps

Capacitance Grounded Cathode

 $\begin{array}{cc} \text{Input} & 56.0 \text{ pf} \\ \text{Output} & 0.2 \text{ pf} \\ \text{Feedthrough} & 36 \text{ pf} \end{array}$

Capacitance Grounded Grid
Input 56.0 pf
Output 36.0 pf
Feedthrough 0.2 pf

Cooling Water and Forced Air
Base Flexible Filament

Leads

200

Air Socket --Air Chimney --Boiler ---

 Length
 20.60 in; 524 mm

 Diameter
 6.75 in; 171.40 mm

 Weight
 12.0 lb; 5.5 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	Grid driven RF power amplifier	8,000	5.0	7,000		4.0	430	21.3
АВ	Cathode driven RF linear amplifier	8,000	6.0	7,000		5.0	1,540	24.2
A	Voltage regulator	28,000	6.0					

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