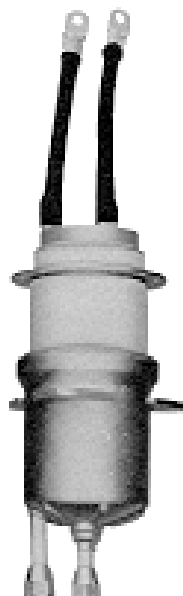


The 3CW30,000H7 is a high-mu power triode designed for use as a zero bias Class B RF amplifier, Class C power amplifier or oscillator, or for voltage regulator service. Input of 48 kW is permissible up to 110 MHz. Plentiful reserve emission is available from its one kilowatt filament. Class B operation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



CHARACTERISTICS

Plate Dissipation (Max.)	30,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	500 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	200
Filament/Cathode	Thoriated Tungsten
Voltage	6.3 Volts
Current	160 Amps
Capacitance	Grounded Cathode
Input	56.0 pf
Output	0.2 pf
Feedthrough	36 pf
Capacitance	Grounded Grid
Input	56.0 pf
Output	36.0 pf
Feedthrough	0.2 pf
Cooling	Water and Forced Air
Base	Flexible Filament
Leads	
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

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 power amplifier	8,000	5.0	7,000	---	4.0	430	21.3
AB	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.