

4CW800B

The **Eimac** 4CW800B is designed for use in distributed amplifiers and VHF/UHF power amplifiers. The mechanical and electrical features of these tubes are compatible with distributed amplifier circuit requirements; i.e., low lead inductances, low input and output capacitance and small size. Ruggedized construction consisting of a unitized electrode structure and direct mounting to the chassis, combine to make the 4CW800B suitable for environments of severe shock and vibration. Anode water fittings are not supplied with the tube.

Characteristics

Plate Dissipation (Max.)	800 Watts
Screen Dissipation (Max.)	15 Watts
Grid Dissipation (Max.)	3 Watts
Frequency for Max. rating (CW)	500 MHz
Amplification Factor	---
Filament/Cathode	Oxide Coated
Voltage	6.0 Volts
Current	4.4 Amps
Capacitance	Grounded Cathode
Input	45.0 pf
Output	5.8 pf
Feedthrough	.15 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Water
Base	Special
Air Socket	---
Air Chimney	---
Boiler	---
Length	3.00 in; 76.20 mm
Diameter	2.03 in; 51.60mm
Weight	7 oz; 198.0 gm

		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)
Class of Operation	Type of Service							
B	RF Linear Amplifier at 140-250 MHz	3,000	0.6	2,500	300	0.60	---	0.820
B	RF Linear Amplifier at 432 MHz	3,000	0.6	2,000	300	0.60		0.770
B	RF Linear Amplifier at 865 MHz	3,000	0.6	2,000	300	0.60		0.550

AB	RF Linear Amplifier, Broadband Service	3,000	0.6	2,500	275	0.58	---	1.0
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Characteristics and Operating values are based on performance tests. Figures may change without notice as the result of additional data or product refinement. CPI Eimac Division should be consulted before using this information for final equipment design.

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