

4CX250K/8245

The **Eimac** 4CX250K/8245 has a maximum plate dissipation rating of 250 watts and a maximum input power rating of 500 watts. All element terminals are coaxial so the tube lends itself to cavity designs for VHF and UHF service.

Characteristics

Plate Dissipation (Max.)	250 Watts
Screen Dissipation (Max.)	12 Watts
Grid Dissipation (Max.)	2 Watts
Frequency for Max. rating (CW)	500 MHz
Amplification Factor	5
Filament/Cathode	Oxide Coated
Voltage	6.0 Volts
Current	2.7 Amps
Capacitance	Grounded Cathode
Input	27.0 pf
Output	4.7 pf
Feedthrough	.04 pf
Capacitance	Grounded Grid
Input	17.0 pf
Output	4.7 pf
Feedthrough	.01 pf
Cooling	Forced Air
Base	Special Coaxial
Air Socket	---
Air Chimney	---
Boiler	---
Length	2.81 in; 71.40 mm
Diameter	1.64 in; 41.70 mm
Weight	4 oz; 113 gm

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 Amplifier up to 500 MHz	2,000	0.25	2,000	300	0.25	---	0.225
C	RF Amplifier Plate Modulated up to 175 MHz	1,500	0.20	1,500	250	0.20	1.7	0.300
C	RF Amplifier Plate and Screen Pulsed	7,000	7.0	7,000	1,200	6.0	---	17.0
	at 1200 MHz							
B	RF Linear Amplifier TV Service up to 216 MHz	2,000	0.25	2,000	350	0.36	9	0.440

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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