

The 4CX250BC/8957 is especially recommended as a premium quality replacement for the 4CX250B/7203, in applications where long life and consistent performance are of prime concern and the closer heater voltage tolerance and increased cathode warmup time are acceptable.



## 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	2.4 Amps
Capacitance	Grounded Grid
Input	15.7 pf
Output	4.5 pf
Feedthrough	.04 pf
Capacitance	Grounded Grid
Input	13.0 pf
Output	4.5 pf
Feedthrough	.01 pf
Cooling	Forced Air
Base	9 Pin Special
Air Socket	SK-600A
Air Chimney	SK-606
Boiler	---
Length	2.46 in; 62.50 mm
Diameter	1.64 in; 41.70
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 175 MHz	2,000	0.25	2,000	300	.250	2.9	0.390
C	RF amplifier plate modulated up to 175 MHz	1,500	0.20	1,500	250	.200	1.7	0.235
AB1	RF linear amplifier up to 175 MHz	2,000	0.25	2,000	350	0.25	---	0.300
AB1	RF linear amplifier up to 175 MHz (AM service)	2,000	0.25	2,000	350	0.15	---	0.065
AB1	AF amplifier or modulator	2,000	0.25	2,000	350	0.50	---	0.600

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](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303  
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