

# 4CX250B/7203

The 4CX250B/7203 has a maximum plate dissipation rating of 250 watts and a maximum input power rating of 500 watts. The 4CX250B/7203 is designed to operate with a heater voltage of 6.0 volts.



## 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	2.6 Amps
Capacitance	Grounded Cathode
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 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 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	0.25	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 (AM service) up to 175 MHz	2,000	0.25	2,000	350	0.15	---	0.65
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.



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