

The 4CX7500A is a compact tetrode designed to be used in VHF power amplifier service. It features a type of internal structure which results in high RF operating efficiency up to 220 MHz. A dense mesh filament is used which contributes to the high performance capability of the tube. This tube is also recommended for use as a VHF TV linear amplifier.



## CHARACTERISTICS

Plate Dissipation (Max.)	7,500 Watts
Screen Dissipation (Max.)	165 Watts
Grid Dissipation (Max.)	50 Watts
Frequency for Max. rating (CW)	220 MHz
Amplification Factor	8.0
Filament/Cathode	Thoriated Tungsten
Voltage	7.0 Volts
Current	110 Amps
Capacitance	Grounded Cathode
Input	145 pf
Output	20.0 pf
Feedthrough	.53 pf
Capacitance	Grounded Grid
Input	74.1 pf
Output	20.6 pf
Feedthrough	.07 pf
Cooling	Forced Air
Base	Special, Coaxial
Air Socket	SK-340
Boiler	---
Length	9.27 in; 235.46 mm
Diameter	5.66 in; 143.76 mm
Weight	8.4 lb; 3.8 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	RF amplifier	7,500	3.0	6,500	750	2.40	130	12.1
AB1	AF linear amplifier	7,500	3.0	7,500	1,250	2.20	---	10.0

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.



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