

The 4CX3500A 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. This tube is also recommended for use as a VHF TV linear amplifier, for use as a Class C radio frequency power amplifier and plate-modulated, radio frequency power amplifier.



CHARACTERISTICS

Plate Dissipation (Max.)	3,500 Watts
Screen Dissipation (Max.)	162 Watts
Grid Dissipation (Max.)	50 Watts
Frequency for Max. rating (CW)	220 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	5.0 Volts
Current	90 Amps
Capacitance	Grounded Cathode
Input	58.5 pf
Output	10.0 pf
Feedthrough	0.5 pf
Capacitance	Grounded Grid
Input	58.5 pf
Output	10.0 pf
Feedthrough	0.4 pf
Cooling	Forced Air
Base	Special Coaxial
Air Socket	SK-340
Air Chimney	---
Boiler	---
Length	3.25 in; 346 mm
Diameter	7.25 in; 181.45 mm
Weight	4.94 oz; 125 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	Grid driven RF amplifier	5,500	2.0	5,000	500	1.32	25	5.28
C	Grid driven RF amplifier	5,500	2.0	4,300	750	1.90	66	5.53

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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