

4CX3500A



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.

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

Maximum Ratings		Typical Operation							
Class of Operation	Type of Service	Plate Voltage (Volts)		Plate current (Amps)		Plate Voltage (Volts)		Plate Current (Amps)	
		Screen Voltage (Volts)		Plate Current (Amps)		Drive Power (Watts)		Output Power (kiloWatts)	
C	Gird Driven RF Amplifier	5500	2.0	5,000	500	1.32	25	5.28	
C	Grid Driven RF Amplifier	5500	2.0	4,300	750	1.90	66	5.53	

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.