

The 4CX25,000A is a ceramic/metal power tetrode intended for use in VHF-TV linear amplifier service. It features a type of internal mechanical structure which results in high RF operating efficiency. Low RF losses in this structure permit operation at full range to 230 MHz in TV linear amplifier service. The anode is rated for 25 kW dissipation with forced- air cooling and uses a highly efficient cooler, which significantly reduces air pressure and flow requirements and produces low acoustical noise.



## CHARACTERISTICS

Plate Dissipation (Max.)	25,000 Watts
Screen Dissipation (Max.)	300 Watts
Grid Dissipation (Max.)	180 Watts
Frequency for Max. rating (CW)	230 MHz
Amplification Factor	6.7
Filament/Cathode	Thoriated Tungsten
Voltage	8.5 Volts
Current	150 Amps
Capacitance	Grounded Cathode
Input	170 pf
Output	18.6 pf
Feedthrough	0.6 pf
Capacitance	Grounded Grid
Input	79 pf
Output	19 pf
Feedthrough	.07 pf
Cooling	Forced Air
Base	Special, Coaxial
Air Socket	SK-320
Air Chimney	SK-326
Boiler	---
Length	9.15 in; 23.2 cm
Diameter	8.86 in; 22.5 cm
Weight	26.4 lb; 12 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)
AB	RF power amplifier, visual TV service (cathode driven)	9,000	8.0	7,800	1,080	5.35	1200	32.0

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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