

The 4CX35,000/8349 is intended for use at the 50 to 150 kW output power level. It is recommended for use as a Class C RF amplifier or oscillator, a Class AB RF linear amplifier, or a Class AB push-pull AM amplifier or modulator



## CHARACTERISTICS

Plate Dissipation (Max.)	35,000 Watts
Screen Dissipation (Max.)	1,750 Watts
Grid Dissipation (Max.)	500 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	10.0 Volts
Current	295 Amps
Capacitance	Grounded Cathode
Input	440 pf
Output	55.0 pf
Feedthrough	2.3 pf
Capacitance	Grounded Grid
Input	175 pf
Output	57 pf
Feedthrough	0.4 pf
Cooling	Forced Air
Base	Special, Graduated Rings
Air Socket	SK-1500
Air Chimney	---
Boiler	---
Length	17.34 in; 440.00 mm
Diameter	9.75 in; 248.00 mm
Weight	50 lb; 22.70 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	20,000	15.0	19,000	750	7.0	258	110.0
C	RF amplifier plate modulated	14,000	15.0	12,000	750	5.4	125	55.0
AB1	RF linear amplifier	20,000	15.0	15,000	1,500	5.7	---	55.0
AB1	AF amplifier or modulator	20,000	15.0	12,000	1,500	9.2	---	70.0

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.



**For information** on this and other CPI products, visit our website at: [www.cpii.com](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303  
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