

The 4CV100,00C/8351 is recommended for use as a Class C RF amplifier or oscillator, a Class AB, push-pull AF amplifier or modulator. The 4CV100,000/8351 is also useful as a plate and screen modulated Class C RF amplifier.



CHARACTERISTICS

Plate Dissipation (Max.)	100,000 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	300 Amps
Capacitance	Grounded Cathode
Input	440.0 pf
Output	55.0 pf
Feedthrough	2.3 pf
Capacitance	Grounded Grid
Input	175 pf
Output	57 pf
Feedthrough	0.4 pf
Cooling	Vapor and Forced Air
Base	Special Graduated
Air Socket	SK-1500A
Air Chimney	---
Boiler	---
Length	17.24 in; 437.9 mm
Diameter	10.07 in; 255.8 mm
Weight	68 lb; 30.9 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	17,500	1,500	11.8	125	168.0
C	RF amplifier plate modulated	17,500	15.0	16,000	750	12	1,260	138.5
C	RF amplifier plate modulated	17,500	15.0	17,500	900	11.6	8,100	141.0
AB1	RF linear amplifier	20,000	15.0	18,000	1,500	10	---	123.2
AB1	AF amplifier or modulator	20,000	15.0	18,000	1,500	20	---	246.4

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, or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303
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