

The 5CX1500B is recommended primarily for use as a Class C RF power amplifier in CW, FM and AM service. The 5CX1500B is recommended as a replacement for 5CX1500A in broadcast applications.



CHARACTERISTICS

Plate Dissipation (Max.)	1,500 Watts
Screen Dissipation (Max.)	75 Watts
Grid Dissipation (Max.)	25 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	5.5
Filament/Cathode	Thoriated Tungsten
Voltage	5.0 Volts
Current	38.5 Amps
Capacitance	Grounded Cathode
Input	75.0 pf
Output	17 pf
Feedthrough	0.2 pf
Capacitance	Grounded Grid
Input	34.5 pf
Output	19.0 pf
Feedthrough	.05 pf
Cooling	Forced Air
Base	Special Ring/Breechblock
Air Socket	SK-840
Air Chimney	SK-806
Boiler	N/A
Length	4.95 in; 12.57 cm
Diameter	3.37 in; 8.56 cm
Weight	30 oz; 850 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	RF Amplifier	5,000	1.0	4,500	500	0.9	9.0	3.18

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 MPP products, visit our website at: www.cpii.com, or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303
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