

Communications & Power Industries Pentode



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.

FEATURES:

Maximum plate dissipation:	1500 W
Maximum screen dissipation:	75 W
Maximum grid dissipation:	25 W
Frequency for max rating (CW):	110 MHz
Amplification factor:	5.5
Filament/cathode:	Thoriated tungsten
Voltage:	5.0 V
Current:	38.5 A
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:	---
Length:	4.95 in/125.70 mm
Diameter:	3.37 in/85.60 mm
Weight:	30 oz/850 gm

BENEFITS:

- Worldwide brand name recognition
- Over 85 years in business

APPLICATIONS:

- Communications

CPI 1500 W Radial Beam Power Pentode: 5CX1500B

		Maximum Ratings		Typical Operation				
Class of Operation	Type of Service	Plate Voltage (V)	Plate Current (A)	Plate Voltage (V)	Screen Voltage (V)	Plate Current (A)	Drive Power (W)	Output Power (kW)
C	RF amplifier	5000	1.0	4500	500	0.90	9.0	3.18

With a history of producing high quality products, we can help you with your pentode.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. 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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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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