

Communications & Power Industries Pentode



The 5CX3000A/8966 is designed for use as a Class AB1 linear amplifier in audio or radio frequency applications. Its characteristic low intermodulation distortion makes it especially suitable for single sideband service.

FEATURES:

Maximum plate dissipation:	4000 W
Maximum screen dissipation:	175 W
Maximum grid dissipation:	50 W
Frequency for max rating (CW):	110 MHz
Amplification factor:	5.5
Filament/cathode:	Thoriated tungsten
Voltage:	9.0 V
Current:	41.5 A
Capacitance:	Grounded cathode
Input:	135.0 pf
Output:	21.0 pf
Feedthrough:	0.4 pf
Capacitance:	Grounded grid
Input:	61.0 pf
Output:	21.0 pf
Feedthrough:	--- pf
Cooling:	Forced air
Base:	Special ring/breechblock
Air socket:	SK-1420
Air chimney:	SK-1426
Boiler:	---
Length:	6.84 in/173.70 mm
Diameter:	4.63 in/117.60 mm
Weight:	5.5 lb/2.5 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications

CPI 3000 W Radial Beam Power Pentode: 5CX3000A/8966

		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	7000	2.0	6800	500	1.6	52	8.5
AB1	RF linear amplifier	7000	2.0	6000	850	1.4	---	5.5
AB1	AF amplifier or modulated	7000	2.0	6000	850	2.0	----	11.0

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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