



**TDP**  
**TUBE 4CX5000A / 8170 / RS 2014 CL**

GENERAL DESCRIPTION



The 4CX5000A / RS 2014 CL is useful as an oscillator, amplifier, or modulator at frequencies up to 220 MHz, Class AB, audio amplifier, or as a screen-modulated radio-frequency amplifier. The rated plate dissipation is 5 kW for most classes of services and 6 kW for Class AB operation.

TECHNICAL SPECIFICATIONS

Plate Dissipation (Max.)	6000 watts
Screen Dissipation (Max.)	250 watts
Grid Dissipation (Max.)	75 watts
Frequency for Max. Ratings (CW)	220 MHz
Cooling	Forced Air
Filament	Thoriated Tungsten
Voltage	7.5 volts
Current	75 amperes
Capacitances (Grounded Cath. Connection)	120.0 pF
Input	20.5 pF
Output	0.7 pF
Feed-through	
Capacitances (Grounded Grid Connection)	56.0 pF
Input	21.5 pF
Output	0.1 pF
Feed-through	
Amplification Factor ( $g_1-g_2$ )	4.5
Base	Special, Coaxial
Recommended Air-System Socket	SK-300A/SK-360
Recommended Air Chimney	SK-306/SK-356
Maximum Seal & Anode Core Temperature	250°C
Maximum Length	9.13 in; 231.8 mm
Maximum Diameter	4.94 in; 125.4 mm
Weight (approximate)	9.5 lb; 4.3 kg
Operating Position	Vertical, base up or down

Specifications may change without notice

THIS TUBE IS USED IN THE FOLLOWING SHORTWAVE BROADCAST TRANSMITTERS

Manufacturer	Transmitter specifications	Power in kW
	AM 5,000F	5
CCA Electronics	AM 10,000F	10
	AM 15,000F	15
Continental Electronics	417 B	50
Elcor	SW-5 K	5
Energy-Onix	HF-10K2	10
Gates	BHF-10	10
	B 6122	250
GEC-Marconi	BD 272	250
NEC Corporation	HFB-7840	10
RIZ Transmitters	OR 10 K-06	10
Technical Materiel Corporation	GPT-10K	10

THIS TUBE IS AVAILABLE FROM

Manufacturer	Rebuilder	Distributor
Eimac	California Tube Laboratory	Richardson Electronics
Penta Laboratories	Econco	Thomas J. Bruckner
Svetlana	Freeland Products Kennetron	

PRICE LEVEL (US\$)

1	2	3	4	5	6
0 - 10	10 - 100	100 - 1000	1000 - 10,000	10,000 - 50,000	50,000 - 100,000

2 3 4 5 6 8 BY C F ML Q RS TH YL

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