



YC-130 / 9019

The YC-130 broadcast tetrode is externally identical to the 4CX15,000A/8281. Internal construction features a mesh filament and Y-3 wire grids. The mesh filament is particularly well suited to FM service at 108 MHz due to reduced filament inductance. The YC-130 filament operates at 7.5 volts.



CHARACTERISTICS

Plate Dissipation (Max.)

Screen Dissipation (Max.)

Grid Dissipation (Max.)

Frequency for Max. rating (CW)

Amplification Factor

18,000 Watts

450 Watts

110 MHz

4.5

Filament/Cathode Thoriated Tungsten

Voltage 7.5 Volts
Current 160 Amps

Capacitance Grounded Cathode

 $\begin{array}{lll} \mbox{Input} & \mbox{160.5 pf} \\ \mbox{Output} & \mbox{26.5 pf} \\ \mbox{Feedthrough} & \mbox{1.5 pf} \end{array}$

Capacitance Grounded Grid
Input 67.0 pf
Output 27.5 pf

Feedthrough

Cooling

Forced Air

Base

Special, Coaxial

Air Socket

SK-300A

Air Chimney

SK-316

Boiler

N/A

 Length
 9.38 in; 238.00 mm

 Diameter
 7.58 in; 193.00 mm

 Weight
 12.8 lb; 5.80 kg

•			MAXIMUM RATINGS		TYPICAL OPERATION				
Class of Operation	Type of Service	Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)	
C C AB1 AB1	RF Amplifier Plate Modulated RF Amplifier RF Linear Amplifier AF Amplifier or Modulator Television Linear Amplifier	10,000 8,000 10,000 10,000 6,500	6.0 4.0 6.0 6.0 5.0	10,000 8.000 10,000 10,000 6,000	750 750 1,500 1,500 700	4.6 3.7 4.3 8.5 3.3	220 150 1,350	36.5 23.5 28.5 57.7 16.5	

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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