

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.)	18,000 Watts
Screen Dissipation (Max.)	450 Watts
Grid Dissipation (Max.)	200 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	160 Amps
Capacitance	Grounded Cathode
Input	160.5 pf
Output	26.5 pf
Feedthrough	1.5 pf
Capacitance	Grounded Grid
Input	67.0 pf
Output	27.5 pf
Feedthrough	0.2 pf
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

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	10,000	6.0	10,000	750	4.6	220	36.5
C	Plate Modulated RF Amplifier	8,000	4.0	8,000	750	3.7	150	23.5
AB1	RF Linear Amplifier	10,000	6.0	10,000	1,500	4.3	---	28.5
AB1	AF Amplifier or Modulator	10,000	6.0	10,000	1,500	8.5	---	57.7
---	Television Linear Amplifier	6,500	5.0	6,000	700	3.3	1,350	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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