150 KW VHF RADIAL BEAM POWER TETR0DE YC-130/9019

Communications & Power Industries Tetrode

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.

FEATURES:

Maximum plate dissipation:	18,000 Watts
Maximum screen dissipation:	450 Watts
Maximum grid dissipation:	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:	---
Length:	9.38 in; 238.00 mm
Diameter:	7.58 in; 193.0 mm
Weight:	12.8 lb; 5.80 kg

BENEFITS:

- Worldwide brand name recogniation
- Over 85 years technical expertise

APPLICATIONS:

- Communications

		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	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

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