35 kW Power Tetrode

4CX35000C/8349

Communications & Power Industries Tetrode

The 4CX35,000/8349 is intended for use at the 50 to 150 kW output power level. It is recommended for use as a Class C RF amplifier or oscillator, a Class AB RF linear amplifier, or a Class AB push-pull AM amplifier or modulator

FEATURES:

Maximum plate dissipation:	35,000W
Maximum screen dissipation:	1,750W
Maximum grid dissipation:	500W
Frequency for max rating (CW):	30 MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated tungsten
Voltage:	10.0V
Current:	295 A
Capacitance:	Grounded cathode
Input:	440 pF
Output:	55.0 pF
Feedthrough:	2.3 pF
Capacitance:	Grounded grid
Input:	175 pF
Output:	57 pF
Feedthrough:	0.4 pF
Cooling:	Forced air
Base:	Special, graduated rings
Air socket:	SK-1500
Air chimney:	---
Boiler:	---
Length:	17.34 in/440.0 mm
Diameter:	9.75 in/248.00 mm
Weight:	50 lbs/22.70 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial

CPI 35 kW Power Tetrode: 4CX35000C/8349

		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	20,000	15.0	19,000	750	7.0	258	110.0
C	RF amplifier plate modulated	14,000	15.0	12,000	750	5.4	125	55.0
AB1	RF amplifier	20,000	15.0	15,000	1,500	5.7	---	55.0
AB1	AF amplifier or modulator	20,000	15.0	12,000	1,500	9.2	---	70.0

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.

Communications & Power Industries

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