

Communications & Power Industries Tetrode



The 4CV100,000C/8351 is recommended for use as a Class C RF amplifier or oscillator, a Class AB push-pull AF amplifier or modulator. The 4CV100,000/8351 is also useful as a plate and screen modulated Class C RF amplifier.

FEATURES:

Maximum plate dissipation:	100,000 Watts
Maximum screen dissipation:	1,750 Watts
Maximum grid dissipation:	500 Watts
Frequency for max rating (CW):	30 MHz
Amplification factor:	4.5
Filament/cathode:	Thoriated Tungsten
Voltage:	10.0 Volts
Current:	300 Amps
Capacitance: Grounded cathode	
Input:	440.0 pF
Output:	55.0 pF
Feedthrough:	2.3 pF
Capacitance: Grounded grid	
Input:	175.0 pF
Output:	57.0 pF
Feedthrough:	0.4 pF
Cooling:	Vapor and Forced Air
Base:	Special Graduated
Air Socket:	SK-1500A
Air Chimney:	---
Boiler:	---
Length:	17.24 in; 437.9 mm
Diameter:	10.07 in; 255.8 mm
Weight:	68 lb; 30.9 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial

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	20,000	15.0	17,500	1,500	11.8	125	168.0
C	RF amplifier plate modulated	17,500	15.0	16,000	750	12	1,260	138.5
C	RF amplifier plate modulated	17,500	15.0	17,500	900	11.6	8,100	141.0
AB1	RF linear amplifier	20,000	15.0	18,000	1,500	10	---	123.2
AB1	AF amplifier or modulator	20,000	15.0	18,000	1,500	20	---	246.4

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.

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