



ELECTRONIC TUBE REFERENCE

4CX35000C

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Special 4CX35000 variant designed particularly for plate-and-screen-modulated Class-C RF amplification at very high power, with full transmitting ratings extending to about 110 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 300 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
AMPLIFICATION FACTOR	5.5
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	35000 W
MAXIMUM SCREEN DISSIPATION	1750 W
MAXIMUM GRID DISSIPATION	500 W
MAXIMUM CATHODE CURRENT	16 A

Forced-air-cooled coaxial metal-ceramic RF power tetrode for high-power amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Eimac Tube Manual

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1965 EIMAC TUBE MANUAL

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	10 V	—
Heater/Filament Current	300 A	—
Amplification Factor	5.5	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	10000 V	—
Maximum DC Screen Voltage	2500 V	—
Maximum Plate/Cathode Current	10 A	—
Maximum Plate Dissipation	35000 W	—
Maximum Screen Dissipation	1500 W	—
Maximum Grid Dissipation	450 W	—
Frequency for Maximum Ratings	110 MHz	—
Typical Plate Output Power	55.6 W	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Forced air	—



1971 English Electric Valve

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 ENGLISH ELECTRIC VALVE

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	10 V	—
Filament current	300 A	—
Frequency for full ratings	30 MHz	—
Output power, class C telegraphy	82.5 kW	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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