



ELECTRONIC TUBE REFERENCE

4CV20000A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Eimac vapor-cooled ceramic-metal power tetrode designed for oscillator, modulator, and amplifier service in both audio and radio-frequency applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 73 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	7500 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	20000 W
MAXIMUM SCREEN DISSIPATION	250 W
MAXIMUM GRID DISSIPATION	75 W
MAXIMUM CATHODE CURRENT	8 A

The Eimac 4CV20,000A is a vapor-cooled ceramic-metal power tetrode designed for oscillator, modulator, and amplifier use in audio and radio-frequency applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency for Maximum Ratings	30 MHz	—
Filament/Heater Current	73 A–78 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	108-122 pF	Grounded cathode
Output Capacitance	18-23 pF	Grounded cathode
Feedback Capacitance	1 pF	Grounded cathode
Input Capacitance	48-58 pF	Grounded grid
Output Capacitance	18-23 pF	Grounded grid



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	7.5 V	—
Heater/Filament Current	73 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	4.5	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	7500 V	—
Maximum DC Screen Voltage	1500 V	—
Maximum Plate/Cathode Current	8 A	—
Maximum Plate Dissipation	20000 W	—
Maximum Screen Dissipation	250 W	—
Maximum Grid Dissipation	75 W	—
Frequency for Maximum Ratings	30 MHz	—
Typical Plate Output Power	33000 W	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Vapor and forced air	—

TUBE TINKER

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