



ELECTRONIC TUBE REFERENCE

4CV100000C

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 roughly 100–200 kW output as RF amplifier or oscillator, linear amplifier, audio amplifier, or modulator.

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

SECTION1 Tetrode	
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	100000 W
MAXIMUM SCREEN DISSIPATION	1750 W
MAXIMUM GRID DISSIPATION	500 W

The EIMAC 8351/4CV100,000C is a ceramic-metal vapor-cooled power tetrode intended for 100 to 200 kilowatt output power service as an RF amplifier or oscillator, linear amplifier, audio amplifier, or modulator.

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	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	420-500 pF	Grounded cathode
Output Capacitance	46-56 pF	Grounded cathode
Feedback Capacitance	1.5-3.2 pF	Grounded cathode
Input Capacitance	170-210 pF	Grounded grid
Feedback Capacitance	0.6 pF	Grounded grid