



ELECTRONIC TUBE REFERENCE

4CV35000A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Vapor-cooled ceramic-metal radial-beam power tetrode for Class-C RF amplification and Class-AB audio-frequency or RF linear power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 150 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	10000 V
MAXIMUM SCREEN VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	35000 W
MAXIMUM SCREEN DISSIPATION	450 W
MAXIMUM GRID DISSIPATION	200 W

The EIMAC 4CV35,000A is a ceramic-metal vapor-cooled radial-beam power tetrode for Class-C radio-frequency amplification and Class-AB audio-frequency or RF linear power amplification.

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	110 MHz	—
Filament/Heater Current	152 A–168 A	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	152-172 pF	Grounded cathode
Output Capacitance	22.0-27.0 pF	Grounded cathode
Feedback Capacitance	2 pF	Grounded cathode
Input Capacitance	63.0-78.0 pF	Grounded grid and screen
Output Capacitance	23.0-28.0 pF	Grounded grid and screen
Feedback Capacitance	0.3 pF	Grounded grid and screen