



ELECTRONIC TUBE REFERENCE

4500A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Eimac 4-500A broadcast-quality power tetrode designed for amplifier, oscillator, or modulator service. Rugged construction emphasizes long life and consistent performance in professional transmitting equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 10.2 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	4000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	500 W
MAXIMUM SCREEN DISSIPATION	35 W
MAXIMUM GRID DISSIPATION	12 W

The EIMAC 4-500A is a compact ruggedly constructed broadcast-quality tetrode for amplifier, oscillator, or modulator service and is especially recommended where long life and consistent performance are important.

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	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Current	450 mA	Absolute maximum
Typical Plate Output Power	1265 W	Class-C, 3800 V plate

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	15 pF	Grounded filament
Output Capacitance	5 pF	Grounded filament
Feedback Capacitance	0.15 pF	Grounded filament