



ELECTRONIC TUBE REFERENCE

4X5000A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Large forced-air-cooled ceramic-metal tetrode for high-power professional RF transmitting service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 75 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	7500 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	6000 W
MAXIMUM SCREEN DISSIPATION	250 W
MAXIMUM GRID DISSIPATION	75 W
MAXIMUM CATHODE CURRENT	3 A
Promoted from printed maximum-rating and general-characteristics tables.	

The EIMAC 4X5000A is a forced-air-cooled ceramic/metal high-power tetrode.



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Feedback - - - - - 0.75 uuf 0.14 uuf	0.14 pF	—
Input - - - - - 106 uuf 47 uuf	47 pF	—
Output - - - - - 18 uuf 18 uuf	18 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	7500 V	—
Maximum plate dissipation	5000 W	—



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	75 A	—
Amplification Factor	5	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	7500 V	—
Maximum DC Screen Voltage	1500 V	—
Maximum Plate/Cathode Current	3 A	—
Maximum Plate Dissipation	6000 W	—
Maximum Screen Dissipation	250 W	—
Maximum Grid Dissipation	75 W	—
Frequency for Maximum Ratings	30 MHz	—
Typical Plate Output Power	16000 W	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Forced air	—

TUBE TINKER

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