



ELECTRONIC TUBE REFERENCE

5500A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Eimac high-power pentode for RF and linear-amplifier service, rated for approximately 500 W plate dissipation and 4 kV plate voltage.

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

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	500 W
MAXIMUM SCREEN DISSIPATION	35 W
MAXIMUM GRID DISSIPATION	12 W
<i>Promoted from printed maximum-rating and general-characteristics tables.</i>	

The EIMAC 5500A is a power pentode for rf and linear-amplifier service.

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 · Pentode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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Grid-Plate - - - - - .	10 pF	—
- . - .10 pf		

Output - - - - -	12 pF	—
- 9.5 12.0 pf		

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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Maximum plate voltage	4000 V	—
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Maximum screen voltage	600 V	—
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Maximum plate dissipation	500 W	—
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Maximum screen dissipation	35 W	—
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Maximum grid dissipation	12 W	—
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TUBE TINKER

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and their source documents.

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