



ELECTRONIC TUBE REFERENCE

5CX1500A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Power pentode designed for radio-frequency transmitting, Class-C power amplification, oscillation, or frequency-multiplier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 38.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM SCREEN VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM SCREEN DISSIPATION	75 W
MAXIMUM GRID DISSIPATION	25 W
<i>Promoted from printed maximum-rating and general-characteristics tables.</i>	

The EIMAC 5CX1500A is a ceramic/metal power pentode for linear and rf 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
Feedback . . . i it ittt ittt ittt ittt ie it e s i 0.20 pF	0.2 pF	—
Feedback. . « v v vt i it i it i st ittt e it i e s --- 0.25 pF	0.25 pF	—
Feedback « v v v v o vt vttt ittt assossososansonnns --- 0.05 pF	0.05 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum screen voltage	750 V	—
Maximum plate dissipation	1500 W	—
Maximum screen dissipation	75 W	—
Maximum grid dissipation	25 W	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

199X Svetlana

Published test conditions and operating points. Values on this page are preserved as reported by this source.

199X SVETLANA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	5 V	Nominal
HeaterCurrentNominal	38.5 A	Nominal
Maximum Plate Voltage	5000 V	—
Maximum Screen Voltage	750 V	—
Maximum Plate Dissipation	1500 W	—
Maximum Screen Dissipation	75 W	—

TUBE TINKER

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and their source documents.

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