



ELECTRONIC TUBE REFERENCE

5CX3000A

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 / 61.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	7000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	4000 W
MAXIMUM SCREEN DISSIPATION	175 W
MAXIMUM GRID DISSIPATION	50 W
<i>Promoted from printed maximum-rating and general-characteristics tables.</i>	

The EIMAC 5CX3000A is a ceramic/metal high-power pentode.

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
Input - - = - - - - - 125 145 pF	145 pF	—
Output - - - - - - - 18 24 pF	24 pF	—
Feedback - - - - - - - .60 pF	60 pF	—
Input R 55 67 pF	67 pF	—
Output - - - - - - - 18 24 pF	24 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	7000 V	—
Maximum screen voltage	1000 V	—
Maximum plate dissipation	4000 W	—
Maximum screen dissipation	175 W	—
Maximum grid dissipation	50 W	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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