



ELECTRONIC TUBE REFERENCE

4CX5000J

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

High-power ceramic/metal radial-beam tetrode with mesh filament and forced-air cooling, designed for transmitting and industrial RF power service with multi-kilowatt plate dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 103 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
AMPLIFICATION FACTOR	4.5
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
<i>Promoted values are taken from printed General Characteristics / Maximum Ratings. Additional published conditions and operating data are preserved in parameters.</i>	

High-power forced-air ceramic/metal radial-beam tetrode with thoriated-tungsten mesh filament.



SOURCE OPERATING CONDITIONS

1962 Eimac

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

1962 EIMAC

Section 1 · Beam Power

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	120 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Maximum	100 MHz	—
Typical Plate Voltage	4050 V	ClassAB1
Typical Screen Voltage	800 V	ClassAB1
Typical Zero-Signal Plate Current	750 mA	ClassAB1

TUBE TINKER

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and their source documents.

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