

ELECTRONIC TUBE REFERENCE

8621

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power transmitting tetrode designed for RF power amplification, linear amplification, oscillation, modulation, or frequency multiplication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26.5 V / 540 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM GRID DISSIPATION	2 W
Promoted fields populated from published ratings/characteristics; additional published values retained in TUBE_SECTION_PARAMETER.	

8621/4CX250FG 26.5-V-heater companion to 7203/4CX250B.

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 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	15.7 pF	—
Output Capacitance	4.5 pF	—
Grounded Cathode Feedback Capacitance	0.04 pF	—
Grounded Grid Feedback Capacitance	0.01 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency of Maximum Rating CW	500 MHz	—
Maximum DC Plate Current	250 mA	—
Typical Linear Plate Voltage	2000 V	ClassAB1
Typical Linear Plate Output Power	300 W	ClassAB1

TUBE TINKER

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and their source documents.

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