ELECTRONIC TUBE REFERENCE

4CX250FG

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Compact transmitting tetrode for VHF/UHF RF and linear amplification to approximately 500 MHz, with 250 W plate dissipation.

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

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

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