ELECTRONIC TUBE REFERENCE

4CX250BC

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

High-power ceramic/metal transmitting tetrode designed for RF power amplification, linear amplification, oscillation, modulation, broadcast, or related high-power service.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	9
NOMINAL HEATER	6 V / 2.6 A	**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
MAXIMUM CATHODE CURRENT	250 mA

Promoted from printed general-characteristics and absolute-maximum-ratings blocks.

The EIMAC 4CX250BC is a forced-air-cooled ceramic/metal radial-beam power tetrode for oscillator, amplifier and modulator service.

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

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Amplification factor	**5**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum DC plate voltage	**2000 V**	—
Maximum DC screen voltage	**400 V**	—
Maximum plate dissipation	**250 W**	—
Maximum screen dissipation	**12 W**	—
Maximum grid dissipation	**2 W**	—
Maximum cathode/plate current	**250 mA**	—

TUBE TINKER

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

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