



ELECTRONIC TUBE REFERENCE

4CX20000B

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-performance ceramic-metal power tetrode for audio and RF applications, particularly AM broadcast transmitters and pulse-modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 140 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM SCREEN VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	20000 W
MAXIMUM SCREEN DISSIPATION	450 W
MAXIMUM GRID DISSIPATION	200 W
<i>Maximum ratings promoted from source.</i>	

The Svetlana™ 4CX20,000B is a high-performance ceramic/metal power tetrode designed for audio and radio frequency applications. It is particularly well- suited for use in AM broadcast transmitters and pulse modulator service. The Svetlana 4CX20,000B has a directly-heated thoriated tungsten mesh filament for mechanical ruggedness and has excellent high voltage stand-off capability. The Svetlana 4CX20,000B is manufactured in the Svetlana factory in St. Petersburg, Russia, and is a direct replacement for the 4CX20,000B manufactured in the United States.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

199X Svetlana

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

199X SVETLANA

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	10 V	Nominal
HeaterCurrentNominal	140 A	Nominal
Maximum Plate Voltage	10000 V	—
Maximum Screen Voltage	2000 V	—
Maximum Plate Dissipation	20000 W	—
Maximum Screen Dissipation	450 W	—

TUBE TINKER

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and their source documents.

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