



ELECTRONIC TUBE REFERENCE

8661

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Liquid-cooled ceramic-metal power tetrode for high-power audio and RF service, particularly modulators and linear amplifiers, with approximately 10 kW plate dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 75 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	7500 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	10000 W
MAXIMUM SCREEN DISSIPATION	250 W
MAXIMUM GRID DISSIPATION	75 W
<i>Maximum ratings promoted from source.</i>	

The Svetlana™ 4CW10,000A/8661 is a liquid cooled ceramic meatal tetrode designed for audio and radio frequency applications. It is particularly well-suited for modulator and linear amplifier use. The Svetlana 4CW10,000A/8661 has a directly-heated thoriated tungsten mesh filament for mechanical ruggedness. This modern mesh filament design is superior to the old hairpin design of the 1950's. In some applications, the input circuit may need minor tuning to use the Svetlana 4CW10,000A/8661 as a replacement because of the low inductance of the Svetlana mesh filament. The Svetlana 4CW10,000A/8661 is manufactured in the Svetlana factory in St. Petersburg, Russia, and is designed to

be a direct replacement for the 4CW10,000A/8661 manufactured in the United States, England and elsewhere. Svetlana 4CW10,000A/8661 Outline drawing Water Inlet Water Inlet Cooler Down Cooler Up



SOURCE OPERATING CONDITIONS

199X Svetlana

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

199X SVETLANA

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	7.5 V	Nominal
HeaterCurrentNominal	75 A	Nominal
Maximum Plate Voltage	7500 V	—
Maximum Screen Voltage	1500 V	—
Maximum Plate Dissipation	10000 W	—
Maximum Screen Dissipation	250 W	—

TUBE TINKER

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and their source documents.

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