



ELECTRONIC TUBE REFERENCE

SV8113A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Svetlana very-low-mu thoriated-tungsten power triode for linear audio power service. With about 800 V capability and 65 W dissipation, it provides high-current operation with relatively low voltage gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.0017 S
AMPLIFICATION FACTOR	3.5
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	65 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	160 mA
<i>Published ratings/characteristics promoted where unambiguous.</i>	

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
T he SvetlanaTM SV811	-3 A	SourcePage1-2
Voltage (AC or DC) 6.3 ±	0.3 V	SourcePage1-2
Current	4 A	SourcePage1-2
Plate resistance (nominal)	2000 ohms	SourcePage1-2
Grid to plate	8 pF	SourcePage1-2
Grid to filament	7 pF	SourcePage1-2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC plate voltage	800 V	SourcePage1-2
Maximum-signal DC plate current	160 mA	SourcePage1-2
Plate Dissipation	65 W	SourcePage1-2
Grid Current	50 mA	SourcePage1-2
DC plate voltage 450 800	450 V	TypicalOperation
Grid voltage -65 -165	-65 V	TypicalOperation
Peak grid drive 130 30	280 V	TypicalOperation
DC plate current, zero signal 80 80	80 mA	TypicalOperation
DC plate current, max signal 83 90	105 mA	TypicalOperation
Plate load resistance 5000 5000	5000 Ohms	TypicalOperation
Power output at distortion above 3.2 15.4	12.4 W	TypicalOperation

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC plate voltage 450 750	750 V	TypicalOperation
Grid voltage -80 -178	-178 V	TypicalOperation
Peak grid drive, grid to grid 328 720	880 V	TypicalOperation
DC plate current, zero signal 150 150	150 mA	TypicalOperation
DC plate current, max signal 155 215	238 mA	TypicalOperation
Plate load resistance 9600 9600	9600 Ohms	TypicalOperation
Power output at distortion above 10 49	66 W	TypicalOperation
Svetlana SV811	-3 A	TypicalOperation

TUBE TINKER

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