



ELECTRONIC TUBE REFERENCE

SV83

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Svetlana high-transconductance audio power pentode for hi-fi driver and output-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 760 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.015 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	90 mA
<i>Published ratings/characteristics promoted where unambiguous.</i>	

Miniature glass-envelope power pentode intended for use as a driver or output

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 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	760 mA	SourcePage1-2
Grid to cathode	13.5 pF	SourcePage1-2
Anode to cathode	7 pF	SourcePage1-2
Grid to anode	0.07 pF	SourcePage1-2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage, DC	300 V	SourcePage1-2
Anode dissipation	12 W	SourcePage1-2
Screen voltage, DC	200 V	SourcePage1-2
Screen dissipation	1.5 W	SourcePage1-2
Cathode current, continuous	90 mA	SourcePage1-2
Grid voltage	-450 V	SourcePage1-2
Maximum grid-circuit resistance (self-bias)	1 megohm	SourcePage1-2
Vscreen =	200 V	SourcePage1-2
Vscreen =	150 V	SourcePage1-2