Svetlana Sv83 Wade in Russia

SVETLANA TECHNICAL DATA

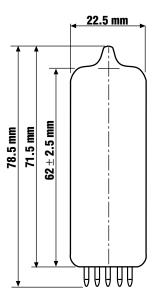
SV83Audio Power Pentode

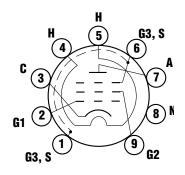
he Svetlana™ SV83 is a miniature glass-envelope power pentode intended for use as a driver or output device in high-quality audio amplifiers. Features include plate dissipation 12 watts; low distortion; high transconductance; internally shielded for low hum pickup; and pinout compatibility—EL84 can be used in an SV83 circuit without modification. The highly linear SV83 is similar to the EL84 with the exception of basing connections and screengrid ratings.

Characteristics

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Electrical	
Cathode	Oxide-coated, unipotential
Heater voltage (AC or DC)	6.3 volts AC or DC (±0.6 volts)
Heater current	760 mA ±60 mA
Heater-cathode voltage	±100 volts peak
Amplification factor (nominal)	25
Transconductance (nominal)	15,000 μS
Interelectrode capacitances (typical), with cathod	le grounded:
Grid to cathode	13.5 pF
Anode to cathode	7.0 pF
Grid to anode	0.07 pF
Mechanical	
Base	standard 9-pin miniature, glass button
Basing diagram	see below
Socket	standard 9-pin miniature
Operating position	Any (vertical for convection cooling)
Nominal dimensions:	
Height of glass envelope	71.5 mm (2.81 in.)
Diameter of glass envelope	22.5 mm (.89 in.)
Overall height	78.5 mm (3.09 in.)
Net weight	20 g (.71 oz.)
Maximum ratings	
Anode voltage, DC	300 V
Anode dissipation	12 W
Screen voltage, DC	200 V
Screen dissipation	1.5 W
Cathode current, continuous	90 mA
Grid voltage	-450 V
Marriage and singuity assistance (self biss)	1 magahm
Maximum grid-circuit resistance (self-bias)	1 megohm

Svetlana Outline drawing







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