

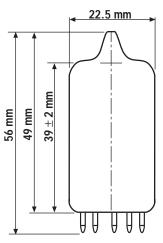
SVETLANA TECHNICAL DATA 6N1P Dual Audio Triode

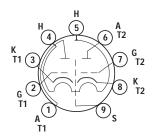
he Svetlana[™] 6N1P is a miniature glass-envelope small-signal dual triode intended for use as a line-level amplifier or driver in high-quality audio amplifiers. Except for higher heater-current consumption, it is a direct plug-in replacement for the 6DJ8, ECC88 or 6922 in most high-level audio applications. Features include very low distortion—optimized for line stages; medium transconductance; internally shielded between sections, allowing their use at differing signal levels; higher plate-voltage and dissipation rating than 6DJ8 types; and larger cathode than 6DJ8 types, giving it longer life and more transient current capability.

Characteristics

Electrical	
Cathode	Oxide-coated, unipotential
Heater voltage (AC or DC)	6.3 volts AC or DC (±0.6 volts)
Heater current	600 mA ± 35 mA
Heater-cathode voltage	±100 volts peak
Amplification factor (nominal)	33
Transconductance (nominal)	7500 μS
Plate resistance (nominal)	4400 ohms
Interelectrode capacitances (typical), per section	
Grid to cathode	3.2 pF
Anode to cathode	1.5 pF
Grid to anode	1.6 pF
Mechanical	
Base	standard 9-pin miniature, glass button
Basing diagram	JEDEC 9AJ
Socket	9-pin miniature
Operating position	Any
Nominal dimensions:	
Height of glass envelope	49 mm (1.93 in.)
Diameter of glass envelope	22.5 mm (.88 in.)
Overall height	56 mm (2.20 in.)
Net weight	15 g (.50 oz.)
Maximum ratings	
Anode voltage, DC	250 V
Anode dissipation, per triode	2.2 W
Cathode current, continuous, per triode	20 mA
Maximum grid-circuit resistance	0.5 megohm

Svetlana Outline drawing







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