

SVETLANA SV300B

Low-Mu Audio Power Triode

Power triode, medium 4-pin base. Exact duplicate of original version, with same sound quality. Directly heated, oxide-coated filament with center tap. Excellent for single-ended or push-pull applications in high-end amplifiers.

Electrical

Filament	Oxide-coated tungsten	
Voltage (AC or DC)	5.0 $\pm$ 0.3	V
Current	1.2	A
Amplification factor (nominal)	3.85	
Transconductance (nominal)	5500	μ S
Plate resistance (nominal)	700	Ω
Interelectrode capacitances (typical), with filament grounded:		
Grid to plate	15	pF
Grid to filament	9	pF

Maximum Ratings

DC plate voltage	450	V
Maximum-signal DC plate current	100	mA
Plate dissipation	40	W

Typical Operation, Audio Amplifier, Class A

DC plate voltage	450	V
Grid voltage	-100	V
Peak grid drive	200	V P-P
Plate current, no signal	60	mA
Plate current, max. signal	65	mA
Effective load resistance	5500	Ω
Distortion at 1 watt into 8 ohms	0.10	%
Power output at 5% distortion	10	W

*Notes: The internal structure is aligned with respect to the base pins to avoid internal shorting problems in equipment designed for horizontal mounting.

