



SVETLANA SV572-3

Low-Mu Audio Power Triode

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope for high temperature operation and massive graphite anode. Low-mu, very low distortion, suitable for single-ended or push-pull amplifiers in Class A1 or AB1 service.

Electrical

Filament	Thoriated-tungsten	
Voltage (AC or DC)	6.3 ± 0.3	V
Current	4	A
Amplification factor (nominal)	3.5	
Transconductance (nominal)	1800	μS
Plate resistance (nominal)	1900	Ω
Interelectrode capacitances (typical), with filament grounded:		
Grid to plate	8	pF
Grid to filament	7	pF

Maximum Ratings

DC plate voltage	1000	V
Maximum-signal DC plate current	210	mA
Plate dissipation	125	W
Grid current	50	mA

Typical Operation, Single Tube, Class A

Class of Operation	A1	A1	A2	
DC plate voltage	500	900	900	V
Grid voltage	-78	-180	-180	V
Peak grid drive	150	340	470	V P-P
DC plate current, zero signal	80	100	100	mA
DC plate current, max. signal	85	120	140	mA
Plate load resistance	5000	5000	5000	Ω
Distortion at max. output	0.3	0.35	1.0	%
Power output at distortion above	3.6	20	41.6	W

Typical Operation, Push-Pull, Two Tubes

Class of Operation	AB1	AB1	AB2	
DC plate voltage	450	900	900	V
Grid voltage	-87	-178	-178	V
Peak grid drive, grid-to-grid	348	640	1080	V P-P
DC plate current, zero signal	150	220	220	mA
DC plate current, max. signal	175	260	380	mA
Plate load resistance	9600	9600	9600	Ω
Distortion at max. output	0.14	1.0	3.0	%
Power output at distortion above	12	39	128	W

(Note: allow for contact potential and secondary emission in grid biasing.)

