



SVETLANA SV572-30 MEDIUM-MU AUDIO POWER TRIODE

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope for high temperature operation and massive graphite anode. Medium mu, excellent for high-power push-pull amplifiers in Class AB2 or B service.

Electrical

Filament	Thoriated-tungsten	
Voltage (AC or DC)	6.3 $\pm$ 0.3	V
Current	4	A
Amplification factor (nominal)	29.5	
Transconductance (nominal)	6500	μ S
Plate resistance (nominal)	4600	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	A2	A2	
DC plate voltage	500	1000	V
Grid voltage	+5	0	V
Peak grid drive	110	175	V P-P
DC plate current, zero signal	60	100	mA
DC plate current, max. signal	80	150	mA
Plate load resistance	10,000	10,000	Ω
Distortion at max. output	5.0	10.0	%
Power output at distortion above	9	29	W

Typical Operation, Push-Pull, Two Tubes

Class of Operation	AB2	
DC plate voltage	1000	V
Grid voltage	-10	V
Peak grid drive, grid-to-grid	320	V P-P
DC plate current, zero signal	150	mA
DC plate current, max. signal	230	mA
Plate load resistance	9600	Ω
Distortion at max. output	5.0	%
Power output at distortion above	78	W

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

