



SVETLANA SV572-160

HIGH PERFORMANCE AUDIO POWER TRIODE

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

Electrical

Filament	Thoriated-tungsten	
Voltage (AC or DC)	6.3 ± 0.3	V
Current	4	A
Amplification factor (nominal)	160	
Transconductance (nominal)	9000	μS
Plate resistance (nominal)	17,000	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	
DC plate voltage	1000	V
Grid voltage	+5	V
Peak grid drive	80	V P-P
DC plate current, zero signal	50	mA
DC plate current, max. signal	70	mA
Plate load resistance	10,000	Ω
Distortion at max. output	5.0	%
Power output at distortion above	15.3	W

Typical Operation, Push-Pull, Two Tubes

Class of Operation	AB2	
DC plate voltage	1000	V
Grid voltage	+5	V
Peak grid drive, grid-to-grid	300	V P-P
DC plate current, zero signal	50	mA
DC plate current, max. signal	85	mA
Plate load resistance	9600	Ω
Distortion at max. output	10.0	%
Power output at distortion above	32	W

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

