



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 \pm 0.3	V
Current	4	A
Amplification factor (nominal)	160	
Transconductance (nominal)	9000	μ S
Plate resistance (nominal)	17,000	ohms

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, Class A2, Audio Amplifier, single-ended

Plate voltage	750	V
Grid voltage	30	V
Peak grid-to-grid drive	60	VP-P
DC Plate current, zero signal*	130	mA
DC Plate current, max signal	210	mA
Effective load resistance	5000	ohms
Distortion at 1 watt into 8 ohms	0.68%	
Power output at 5% distortion	40	W

Typical Operation, Class AB2, Audio Amplifier (Values for two tubes)

Plate voltage	1000	V
Grid voltage	20	V
Peak grid-to-grid drive	195	VP-P
DC Plate current, zero signal*	75	mA
DC Plate current, max signal	390	mA
Effective load resistance	8000	ohms
Power output at 5% distortion	150	W

* Note: Graphite anode glows red near rated power

Note: Allow for contact potential in bias voltage adjustment.

