

# SVETLANA SV572-160

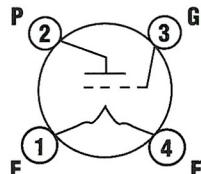
## HIGH PERFORMANCE AUDIO POWER TRIODE

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope for high temperature operation and massive graphite anode. High mu, 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	ohms
<b>Interelectrode capacitances (typical), with filament grounded:</b>		
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.

