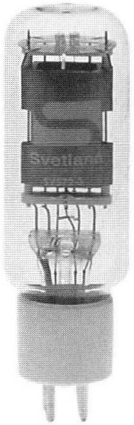
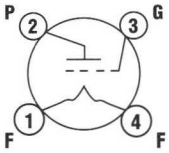
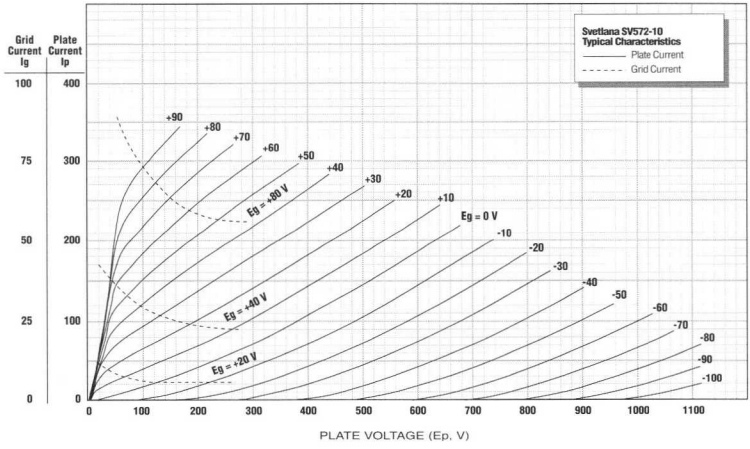


Svetlana SV572-10
High Performance Audio Power Triode

Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope for high temperature operation and massive graphite anode. 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)	9.5		
Transconductance (nominal)	4500		μS
Plate resistance (nominal)	2100		Ω
Interelectrode capacitances (typical), with filament grounded:			
Grid to plate	5		pF
Grid to filament	6.4		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	-18	-61	V
Peak grid drive	120	325	V P-P
DC plate current, zero signal	80	100	mA
DC plate current, max. signal	110	150	mA
Plate load resistance	5000	5000	Ω
Distortion at max. output	1.0	5.0	%
Power output at distortion above	9.5	46.0	W
Typical Operation, Push-Pull, Two Tubes			
Class of Operation	AB2	AB2	
DC plate voltage	450	1000	V
Grid voltage	-22	-70	V
Peak grid drive, grid-to-grid	320	440	V P-P
DC plate current, zero signal	150	200	mA
DC plate current, max. signal	240	280	mA
Plate load resistance	9600	9600	Ω
Distortion at max. output	3.0	5.0	%
Power output at distortion above	30	88	W

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