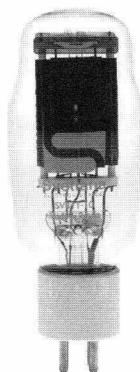


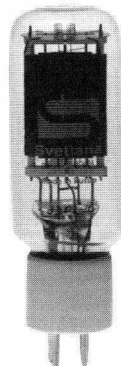
SVETLANA SV811-10 & SV811-10A

Low-Mu Power Triode

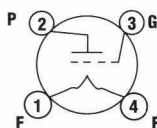
Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope for high temperature operation and rugged metal anode. Very low distortion, suitable for single-ended or push-pull amplifiers in Class A2 or AB2 operation.



SV811-10



SV811-10A



Electrical

Filament	Thoriated-tungsten	
Voltage (AC or DC)	6.3 ± 0.3	V
Current	4	A
Amplification factor (nominal)	10	
Transconductance (nominal)	3800	μS
Plate resistance (nominal)	2500	Ω
Interelectrode capacitances (typical), with filament grounded:		
Grid to plate	8	pF
Grid to filament	7	pF

Maximum Ratings

DC plate voltage	800	V
Maximum-signal DC plate current	160	mA
Plate dissipation	65	W
Grid current	50	mA

Typical Operation, Single Tube, Class A

Class of Operation	A2	A2	
DC plate voltage	450	800	V
Grid voltage	-9	-45	V
Peak grid drive	110	127	V P-P
DC plate current, zero signal	80	80	mA
DC plate current, max. signal	100	91	mA
Plate load resistance	5000	5000	Ω
Distortion at max. output	1.0	1.0	%
Power output at distortion above	8.3	13.4	W

Typical Operation, Push-Pull, Two Tubes

Class of Operation	AB2	AB2	
DC plate voltage	450	800	V
Grid voltage	-16.5	-51	V
Peak grid drive, grid-to-grid	360	420	V P-P
DC plate current, zero signal	150	150	mA
DC plate current, max. signal	250	260	mA
Plate load resistance	9600	9600	Ω
Distortion at max. output	3.0	3.0	%
Power output at distortion above	41	91	W

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

