

SVETLANA EF86 HIGH PERFORMANCE AUDIO SMALL-SIGNAL PENTODE

9-pin miniature. High gain, low distortion, low noise--intended for high-fidelity audio. Built-in shield to reduce hum pickup.

Electrical

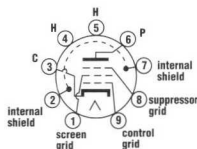
Heater	Min	Nom	Max	
Heater voltage (AC or DC)	5.7	6.3	6.9	V
Heater current		0.2		A
Cathode	Oxide-coated, unipotential			
Cathode-to-heater potential	± 100			V

Maximum Ratings

DC plate voltage	300	V
Screen grid voltage	200	V
Plate dissipation	1	W
Screen grid dissipation	0.2	W
Cathode current	6.0	mA

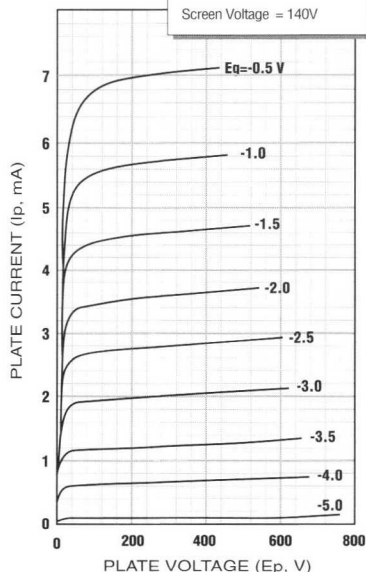
Typical operation, Class A Connection, Small-signal amplifier

	Pentode	Triode	
DC plate voltage	250	250	V
Screen grid voltage	140	—	V
Cathode bias resistor	1k	3.9k	Ω
Zero-signal plate current	3	0.65	mA
Zero-signal screen grid current	0.6	—	mA
Plate resistance (approx.)	2.5 M	65k	Ω
Effective load resistance	220k	220k	Ω
Total harmonic distortion	5	3.5	%
Maximum voltage output	50	39	vrms



Svetlana EF86
Typical Plate Characteristics

Screen Voltage = 140V



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Typical Plate Characteristics

Screen Connected to Plate

