



SVETLANA 6BM8

HIGH PERFORMANCE AUDIO DUAL PACKAGE, TRIODE AND PENTODE

9-pin miniature tube containing a high-mu triode and a small power pentode, which can be used independently. Rugged, low distortion, suitable for preamp or output use in audio or guitar amplification.

Electrical

Heater	Min ...	Nom ...	Max	
Voltage (AC or DC)	5.7	6.3	6.9	V
Current		0.78		A
Cathode	Oxide-coated, unipotential			
Cathode-to-heater potential, max.			100	V
Direct interelectrode capacitances, max. *	Triode	Pentode		
Input	2.7	9.3		pF
Output	4	8		pF
Grid 1 to plate	4	0.3		pF

Maximum Ratings

DC plate voltage	300	600**	V
Cathode current	15	50	mA
Grid 2 DC (screen) voltage		300	V
Amplification factor (nominal)	70	9.5	μ
Transconductance (nominal)	2500	6400	μ S
Plate resistance (nominal)		20,000	Ω
Plate dissipation	1	7	W

AF Power Amplifier, Average Ratings

DC plate voltage	300	300	V
Grid 2 DC (screen) voltage		200	V
Grid 1 (control) voltage	-1.3	-24	V
DC plate current	1.1	40	mA
Grid 2 DC (screen) current		8	mA
Plate load	150,000	7000	Ω
Output power at 5% distortion		1.8	W

* Without external shielding, nominal values

** Max. peak positive pulse voltage 2500 V

