

Svetlana SV6L6GC High Performance Audio Beam Power Tetrode

he Svetlana SV6L6GC is a glass envelope beam-power tetrode intended for high-power audio amplifier service. Close manufacturing specification tolerances and improved processing provide improved reliability and superior sonic performance. The Svetlana SV6L6GC is manufactured in the Svetlana factory in St. Petersburg, Russia, and is designed to be a direct replacement for any 6L6 type.

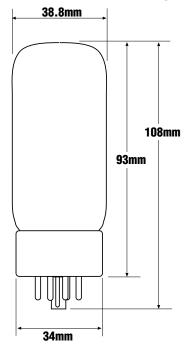
The Svetlana SV6L6GC features:

- Design and construction based on the Sylvania 6L6GC/STR387
- Extra-rugged construction for use in music amplifiers--thick mica spacers and extra bracing reduce microphonic effects and resist mechanical and thermal shocks
- Increased peak cathode emission from new cathode materials
- Gold-plated grid and extended processing and aging for stability and reliability
- Tri-plate anode for superior dissipation
- Precise grid/screen alignment
- Comprehensive static and audio amplifier testing before and after aging
- May be operated in inverted position--base fits into socket clamps in Fender guitar amplifiers

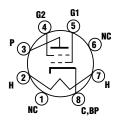
General Characteristics

				orar onaraotoristios
	max	typ	min	
V	6.9	6.3	5.7	ter Voltage (AC or DC)
A		0.9		ter Current @6.3V
ntial	oated, unipot	oxide-coa		node:
V	±200			ode-to-heater potential
				ct interelectrode capacitances :
рF	0.6			Grid no. 1 to plate
рF	es 10	m forming plate:	id no. 2, and be	Grid no. 1 to cathode, heater, gri
рF	6.5	rming plates	. 2, and beam f	Plate to cathode, heater, grid no.
				hanical
Any				rating position
al 8-pin	arge wafer o	La		9
C 7AC	JED			ng diagram
vection	liation and co	Radi		ling
250 C				elope temperature (max)
				inal dimensions:
528 in.)	38.8mm (Diameter
605 in.)	93mm (3			Base to top
252 in.)	108mm (4			Overall height
339 in.)	34mm (Diameter of base
grams	(let weight
				imum ratings
V	500			olate voltage VP
V	500			en grid voltage Vg2
W	30			e Dissipation
W	5			en Grid Dissipation

Svetlana SV6L6GC Outline drawing



Base pin connections bottom view





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Typical Operation, Class A. Audio Power Amplifier, Single Tube Connection

tetrode	triode					
350	250	V				
250		V				
-18	-20	V				
18	20	V				
54	40	mA				
66	44	mA				
2.5		mA				
7		mA				
33000	1700	ohms				
5200	4700	μS				
4200	5000	ohms				
15	5	%				
10.8	1.4	W				
Typical Operation, Class AB ₁ , Audio Power Amplifier (Values for two tubes)						
	450	V				
	400	V				
	-37	V				
	70	V				
	116	mA				
	210	mA				
	5.6	mA				
	22	mA				
	5600	ohms				
	1.8	%				
	55	W				
	350 250 -18 18 54 66 2.5 7 33000 5200 4200 15	350 250 250 -18 -20 18 20 54 40 66 44 2.5 7 33000 1700 5200 4700 4200 5000 15 5 10.8 1.4 er Amplifier (Values for two tub 450 400 -37 70 116 210 5.6 22 5600 1.8				

