



SVETLANA SV6550C

HIGH PERFORMANCE AUDIO BEAM POWER

TETRODE

Beam power tube, large octal base. Tough and reliable version of classic 6550 power tube, widely used in high-end audio and music amplification. Carbonized screen grid and gold-plated control grid for stable operation, hard glass envelope for high temperature operation. Replaces any 6550 version.

Electrical

Heater	Min	Nom	Max	
Voltage (AC or DC)	5.7	6.3	6.9	V
Current		1.6		A
Cathode	oxide-coated, unipotential			
Cathode-to-heater potential, max.		-300	/200**	V
Direct interelectrode capacitances :				
Grid 1 to cathode and grid 3, grid 2, base sleeve and heater.		18.5		pF
Plate to cathode and grid 3, grid 2, base sleeve and heater		12.5		pF
Grid 1 to plate (max.)		1.1		pF

AF Power Amplifier, Maximum Ratings

DC plate voltage	680	V
Grid 2 DC (screen) voltage	400	V
Grid 1 (control) voltage	-300	V
DC cathode current	175	mA
Plate dissipation	35	W
Grid 2 (screen) dissipation	6	W

Typical Operation Class A1 (single tube)

DC plate voltage	400	V
Grid 2 DC (screen) voltage	225	V
Grid 1 (control) voltage	-22	V
Peak AF grid 1 (control) voltage	22	V
Zero-signal plate current	87	mA
Maximum-signal plate current	105	mA
Zero-signal grid 2 (screen) current	4	mA _{dc}
Maximum-signal grid 2 (screen) current	18	mA
Transconductance (nominal)	9500	μ S
Effective load resistance	3000	Ω
Signal output at 5% distortion	12	W

* Max with heater negative to cathode ** Max. with heater positive to cathode

