



TAD – 6L6GC-STR High Performance Audio Beam Power Pentode

The new 6L6GC-STR forwards the low end with pressure and has all the guts and bite to perfectly accomplish all those sounds from big cleans, classic R'n'R like SRV to modern hard rocking tones. It's all there with live and breath and the little magic in tone that inspires to keep playing. This TAD 6L6GC-STR combines the famous reliability of the American-made Philips/Sylvania STR series plus the beefed-up blackplate system like the highly regarded vintage RCA 6L6GC tubes. We joined best of both worlds! Silky top end combined with deep bass response and lots of headroom make this tube a living classic.

Characteristics

Electrical			
Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.8
Current		ca. 0.9	A
Cathode:	Oxide-coated, unipotential		
Cathode-to-heater potential, max.	+200 V		
Direct interelectrode capacitances, max.***			
Grid no.1 to cathode and grid no.3, grid no.2, base sleeve and heater	<10 pF		
Plate to cathode and grid no.3, grid no.2, base sleeve and heater	<6.5 pF		
Grid no.1 to plate	<0.6 pF		
Mechanical			
Operating Position	Any		
Base	JEDEC #8ET, octal, 8-pin		
Dimensions:			
Height	109 mm (4.29")		
Seated height	95 mm (4.74")		
Diameter	38 mm (1.49")		
Cooling	Convection		
Approximate net weight	50 g (1.76 oz.)		

***Without external shielding, nominal values

AF Power Amplifier

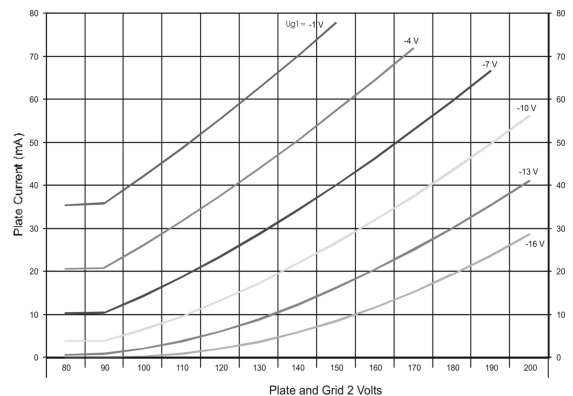
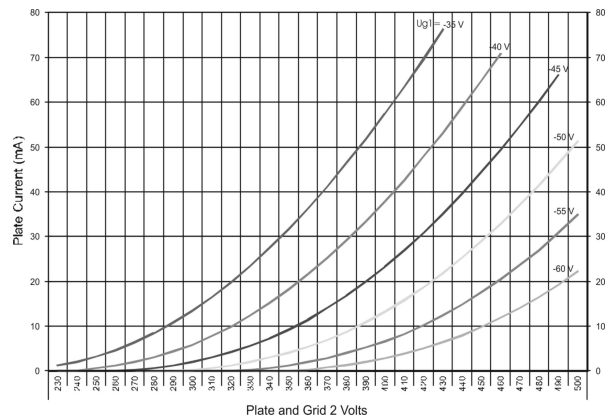
Maximum ratings	
DC plate voltage	550 V
Grid no.2 DC (screen) voltage	450 V
Grid no.1 (control) voltage	- 37 V
DC cathode current	100 mA
Plate dissipation	30 W
Grid no.2 DC (screen) dissipation	5 W

Typical Operation

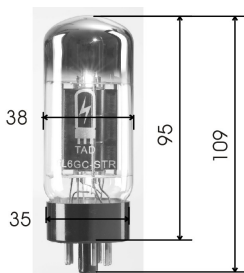
AF Power Amplifier, Class A1 (single tube)	
Plate Voltage	350 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-18 V
Peak AF Grid 1 Control Voltage	18 V
Zero Signal Plate Current	54 mA
Maximum Signal Plate Current	66 mA
Zero Signal Grid 2 Screen Current (avg)	2.5 mA
Transconductance (nominal)	5,500 mS
Load Resistance	4200 Ohms
Output Power at 13% distortion	8 W

* Approximate Value (set to zero signal plate current)

Typical Performance 6L6GC Curve



Outline View



Bottom View

