



TAD 6L6GC-STR BLACKPLATE™ High Performance Audio Beam Power Pentode

Our **6L6GC-STR BLACKPLATE** combines the famous reliability of the American-made Philips/Sylvania STR series with the blackplate construction of the highly regarded vintage RCA 6L6GC tubes. We combined the best of both worlds!

The **6L6GC-STR BLACKPLATE** pushes the low end, the midrange voice 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 rectified tones.

The silky top end combined with the deep bass response and lots of headroom make the **6L6GC-STR BLACKPLATE** a modern classic. It is our recommendation for lively clean sounds, powerful broadband multichannel amps and High-End applications.

Exclusive black-plate designs, gold grid wire, double getter construction, no-noise filaments and heavy-duty glass envelope.

Characteristics

Electrical

Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.8
Current			0.9
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	<12 pF		
Plate to cathode and grid no.3, grid no.2, base sleeve and heater	<6.0 pF		
Grid no.1 to plate	<0.8 pF		

Mechanical

Operating Position	vertical
Base	JEDEC #8ET, octal, 8-pin
Dimensions:	
Height	max. 110mm (4.3")
Seated height	96 mm (4.74")
Diameter	38 mm (1.5")
Cooling	Convection
Approximate net weight	50 g (1.76 oz.)

***Without external shielding, nominal values

AF Power Amplifier

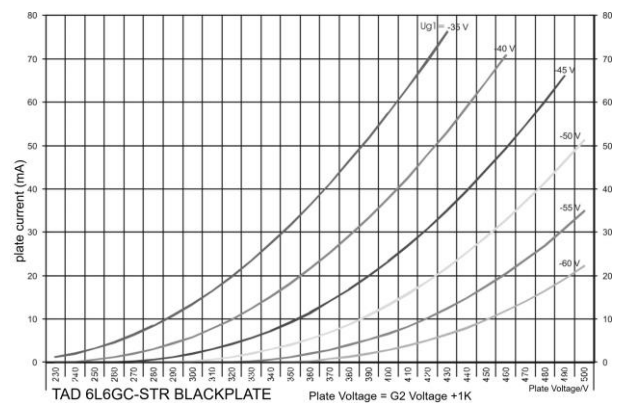
Maximum ratings	
DC plate voltage	550 V
Grid no.2 DC (screen) voltage	450 V
Grid no.1 (control) voltage	-100 V
DC cathode current	100 mA
Plate dissipation	30 W
Grid no.2 DC (screen) dissipation	5 W
Bulb temperature (surface hottest point)	250° C

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)	5,400 mS
Load Resistance	4200 Ohms
Output Power at 13% distortion	10.5 W

* Approximate Value (set to zero signal plate current)

Typical Performance 6L6GC-STR BLACKPLATE curve



Outline View



Bottom View

Octal Base Connections

