



TAD – 6V6GT-STR REDBASE High Performance Audio Beam Power Pentode

New for 2022 in the TAD REDBASE range is the TAD™ 6V6GT-STR. It is our faithful reproduction of the classic NOS tubes from the 50s and 60s with glass envelope pentodes and a plate dissipation of 14 watts with conventional cooling.

The TAD 6V6GT-STR REDBASE™ It is intended to be used as an audio frequency power amplifier in a pentode, ultra-linear or triode circuitry as well as in single or push-pull/parallel applications.

The TAD™ 6V6GT-STR Redbase produces a clear and open tone but still has the charming midrange of the NOS classics. At higher volume levels, the tone becomes thicker with a plus in singing sustain. Tight manufacturing tolerances and improved workmanship provide increased endurance and superior sonic performance.

The TAD™ 6V6GT-STR is a direct replacement for all 6V6, 6V6GTA, 6V6GTY, 6V6Y, 5871, 7184 or equivalent components.

Characteristics

Electrical

Heater:	Min.	Nom.	Max.	
Voltage (AC or DC, parallel connection)	5.7	6.3	6.7	V
Current	ca. 0.5 ±10%			A
Cathode-to-heater potential, max.				100 V
Direct interelectrode capacitances, max.***				
Grid no.1 to cathode and grid no.3, grid no.2, base sleeve and heater				<11 pF
Plate to cathode and grid no.3, grid no.2, base sleeve and heater				<7.5 pF
Grid no.1 to plate				<0.7 pF

Mechanical

Operating Position	vertical
Base	JEDEC #8ET, octal, 8-pin
Dimensions:	
Height	90 mm (3-35/64 in.)
Seated height	77 mm (3-1/32 in.)
Diameter	34.5 mm (1-32/64 in.)
Cooling	Convection
Approximate net weight	38 g (1.34 oz.)

***Without external shielding, nominal values

AF Power Amplifier

Maximum ratings

DC plate voltage	450 V
Grid no.2 DC (screen) voltage	400 V
Grid no.1 (control) voltage	-100 V
DC cathode current	60 mA
Plate dissipation	14 W
Grid no.2 DC (screen) dissipation	2 W

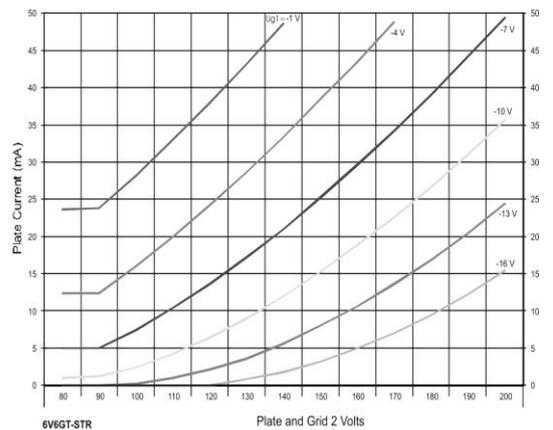
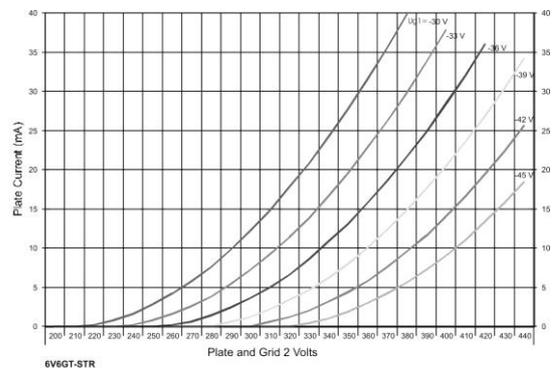
Typical Operation

AF Power Amplifier, Class A1 (single tube)

Plate Voltage	315 V
Grid 2 Screen Voltage	225 V
Grid 1 Control Voltage*	-13 V
Zero Signal Plate Current	33 mA
Zero Signal Grid 2 Screen Current (avg.)	2.5 mA
Transconductance (nominal)	3950 μmhos
Load Resistance	8500 ohms
Output Power at 13% distortion	4.5 W

* Approximate Value (set to zero signal plate current)

Typical Performance 6V6GT-STR Curve



Outline View:



Bottom View

Octal Base connections

