



## TAD – 6V6GTB-STR High Performance Audio Beam Power Pentode

You kept asking for it, now new for 2020 in the TAD range is the classic TAD™ 6V6GTB-STR. It is our faithful tone reproduction of the classic 50's and 60's NOS tubes glass envelope beam pentodes having a plate dissipation rating of 12 Watts with convection cooling. It is intended for audio frequency power amplification service in either pentode, ultra-linear or triode connection and single or push-pull/parallel applications. The TAD™ 6V6GTB-STR has that sweet singing tone with a lean and clean yet kicking bass. A perfect match to achieve the golden tones of yesteryears with a decent output power.reliability

Close manufacturing specification tolerances and improved processing provide enhanced endurance and superior sonic performance. The TAD™ 6V6GTB-STR is designed to be a direct replacement for any 6V6, 6V6GTA, 6V6GTY, 6V6Y, 5871, 7184 or equivalent.

### Characteristics

#### Electrical

Heater:	Min.	Nom.	Max.
Voltage (AC or DC, parallel connection)	5.7	6.3	6.7 V
Current	ca. 0.45 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	<12 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	Any
Base	JEDEC #8ET, octal, 8-pin
Dimensions:	
Height	85 mm (3-11/32 in.)
Seated height	72 mm (2-27/32 in.)
Diameter	33 mm (1-5/16 in.)
Cooling	Convection
Approximate net weight	38 g (1.34 oz.)

\*\*\*Without external shielding, nominal values

#### AF Power Amplifier

Maximum ratings	
DC plate voltage	430 V
Grid no.2 DC (screen) voltage	420 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	60 mA
Plate dissipation	12 W
Grid no.2 DC (screen) dissipation	2 W

#### Typical Operation

##### AF Power Amplifier, Class A1 (single tube)

Plate Voltage	250 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-12.5 V
Zero Signal Plate Current	45 mA
Zero Signal Grid 2 Screen Current (avg)	4.5 mA
Transconductance (nominal)	4,300 mS
Load Resistance	5k ohms
Output Power at 8% distortion	4.5 W

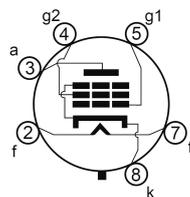
\* Approximate Value (set to zero signal plate current)

#### Outline View:

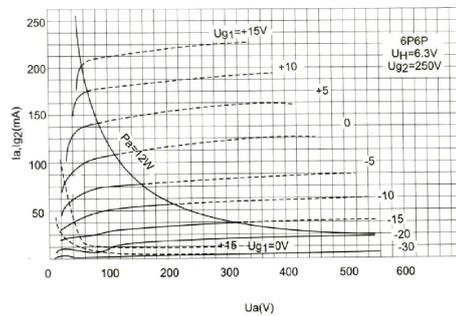


#### Bottom View

Octal Base connections



### Plate Characteristics 6V6GTB-STR



### Typical Performance 6V6GTB-STR

