



## 5881WXT-R TAD PREMIUM Matched High Performance Audio Beam Power Pentode

The TAD 5881WXT-R is a glass envelope beam tetrode with equipotential cathode, designed to amplify low frequency power in the output stages of HI – FI and musical instruments amplifiers..

The TAD 5881WXT-R is designed to be a direct replacement for any 6L6G / 6L6GC or equivalent. QC testing at TAD in Germany provides enhanced reliability, superior sonic performance and grants overall consistency.

### Characteristics

#### Electrical

Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	6.0	6.3	6.6 V
Current	0.9 (+-7%)		A
Cathode:	Oxide-coated, equipotential		
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	<19 pF		
Plate to cathode and grid no.3, grid no.2, base sleeve and heater	<1.9 pF		
Grid no.1 to plate	<4.5 pF		

#### Mechanical

Operating Position	preferably vertical
Base	JEDEC #8ET, octal, 8-pin
Dimensions:	
Height	max. 110mm (4 3/8")
Seated height	96 mm (3 3/4")
Diameter	38 mm (1 1/2")
Cooling	Convection
Approximate net weight	56 g (1.97 oz.)

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

#### AF Power Amplifier

##### Maximum ratings

DC plate voltage	500 V
Grid no.2 DC (screen) voltage	400 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	90 mA
Plate dissipation	20.5 W
Grid no.2 DC (screen) dissipation	2 W
Bulb temperature (surface hottest point)	ca. 200° C

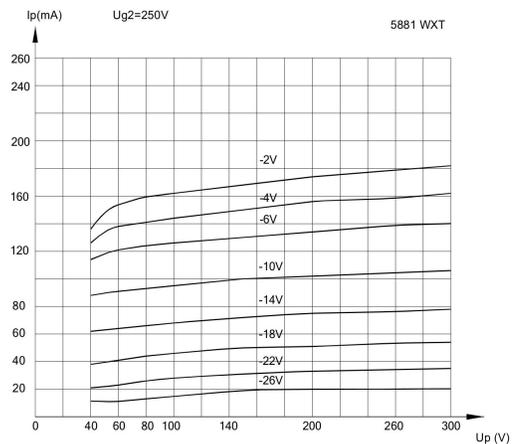
#### Typical Operation

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

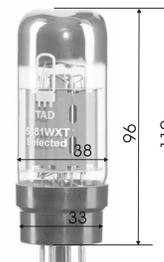
Plate Voltage	250 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-14 V
Peak AF Grid 1 Control Voltage	14 V
Zero Signal Plate Current	75 mA
Maximum Signal Plate Current	80 mA
Zero Signal Grid 2 Screen Current (avg)	4.5 mA
Transconductance (nominal)	5,600 mS
Load Resistance	4400 Ohms
Output Power at 14% distortion	5.8 W

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

### Typical Performance TAD 5881WXT-R Curve



#### Outline View



#### Bottom View Octal Base Connections

