



TAD – 5881-Cz High Performance Audio Beam Power Pentode

The TAD 5881-Cz is a glass envelope beam pentode and is intended for audio frequency power amplification service in either pentode, ultra-linear or triode connection and single ended or push-pull/parallel applications.

The TAD 5881-Cz is a very strong 6L6GC type that is characterized by its clear and edgy sound. This is particularly evident in the mids and highs, making the 5881s a popular choice for guitarists looking for a very defined yet punchy tone. Due to its characteristic sound signature, the TAD 5881-Cz shows a tight bass range. All in all, the TAD 5881-Cz is a musical and, above all, loud tube that brings a lot of playing energy with it.

The TAD 5881-Cz is designed to be a direct replacement for any 6L6GC / 5881 or equivalent. Close manufacturing specification tolerances, improved processing and final testing and QC at TAD in Germany provides enhanced reliability, superior sonic performance and grants overall consistency.

Characteristics

Electrical			
Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.7	6.3	6.8 V
Current			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	<14 pF		
Plate to cathode and grid no.3, grid no.2, base sleeve and heater	<0.8 pF		
Grid no.1 to plate	<2.1 pF		
Mechanical			
Operating Position	preferably vertical		
Base	JEDEC #8ET, octal, 8-pin		
Dimensions:			
Height	max. 96,5mm (3.8")		
Seated height	82 mm (3.23")		
Diameter	38 mm (1.5")		
Cooling	Convection		
Approximate net weight	55 g (1.94 oz.)		

***Without external shielding, nominal values

AF Power Amplifier

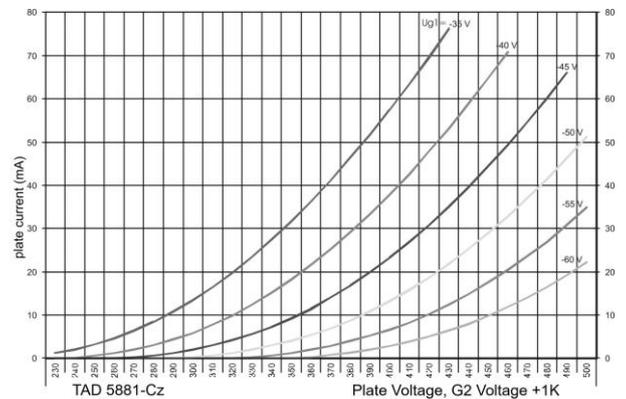
Maximum ratings	
DC plate voltage	500 V
Grid no.2 DC (screen) voltage	450 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	180 mA
Plate dissipation	23 W
Grid no.2 DC (screen) dissipation	3 W
Bulb temperature (surface hottest point)	250° C

Typical Operation

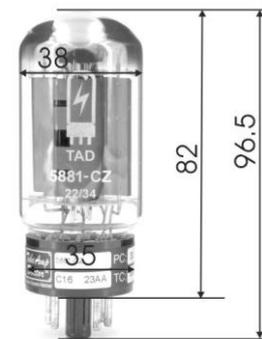
AF Power Amplifier, Class A1 (single tube)	
Plate Voltage	350 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-18 V
Peak AF Grid 1 Control Voltage	18 V
Zero Signal Plate Current	53 mA
Maximum Signal Plate Current	66 mA
Zero Signal Grid 2 Screen Current (avg)	2.5 mA
Transconductance (nominal)	5,100 mS
Load Resistance	4200 Ohms
Output Power at 13% distortion	11.2 W

* Approximate Value (set to zero signal plate current)

Typical Performance 5881-Cz Curve



Outline View



Bottom View

Octal Base Connections

