



TAD – KT66 High Performance Audio Beam Power Tetrode



The TAD KT66 delivers old-school tone out of the box. A faithful reproduction of the great British KT66 as known by MOV (MO Valve), GEC, Genalex and Gold Lion. This tube made the Marshall JTM45 Plexi Amps famous in the 1960s and the Quad amps a legend. SRV used the KT66 with his Fender amps for his outrageous guitar tone. This is a real KT66 with large curved glass envelope and a rounded brown base. The KT66 can replace 6L6GC and 5881 tubes.

Characteristics

Electrical			
Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.8
Current			1.27
Cathode:	Oxide-coated, unipotential		
Cathode-to-heater potential, max.	+150 V		
Direct interelectrode capacitances, max.***			
Grid no.1 to cathode and grid no.3, grid no.2, base sleeve and heater	<16 pF		
Plate to cathode and grid no.3, grid no.2, base sleeve and heater	<11.5 pF		
Grid no.1 to plate	<1.10 pF		
Mechanical			
Operating Position	Any		
Base	JEDEC #8ET, octal, 8-pin		
Dimensions:			
Height	129 mm (5.078")		
Seated height	116 mm (4.566")		
Diameter	51 mm (1.00")		
Cooling	Convection		
Approximate net weight	72 g (2.54 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	- 300 V
DC cathode current	100 mA
Plate dissipation	25 W
Transconductance (nominal)	8.500 mS
Grid no.2 DC (screen) dissipation	3.5 W

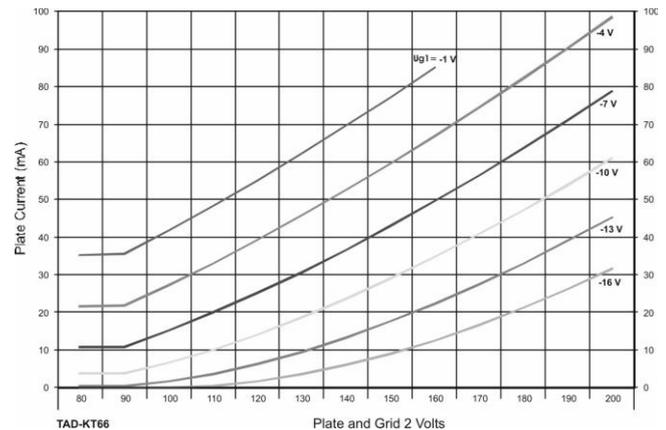
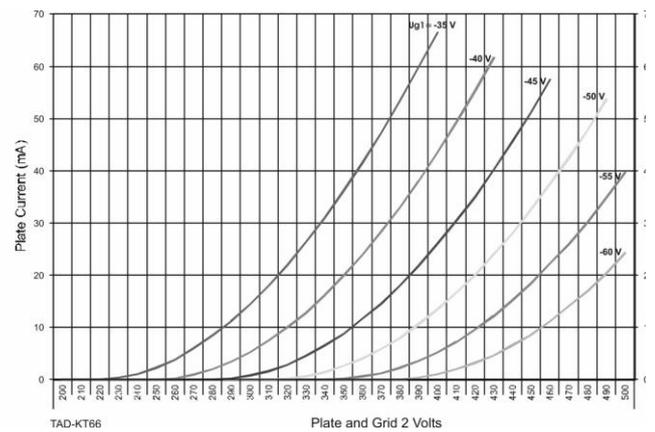
Typical Operation

AF Power Amplifier, Tetrode (single tube)	
Plate Voltage	250 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-15 V
Plate Current	82 mA
Grid 2 current	5 mA
Peak Input Grid 1 Voltage	15 V

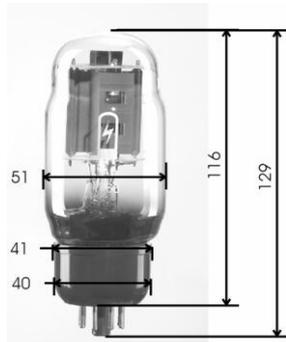
Load Resistance	2200 Ohms
Output Power at 9% distortion	7.25 W

* Approximate Value (set to zero signal plate current)

Typical Performance KT66 Curve



Outline View



Bottom View

