



## TAD – KT88-STR Blackplate

### High Performance Audio Beam Power Tetraode

The new **TAD KT88-STR Blackplate** is built in the style of the early British MOV KT88 with the same big and heavy glass envelope and beautifully polished metal base. The Blackplate features a gold control grid for outstanding performance and reliable stability.

Wonderfully big tone and great appearance make the new **TAD KT88-STR Blackplate** the most attractive choice for high-end audio applications and powerful bass guitar amps, providing a colourful and three-dimensional tone with pleasing full warmth and fine, subtle heights.

### Characteristics

#### Electrical

Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.8
Current			1.6
Cathode:	Oxide-coated, unipotential		
Cathode-to-heater potential, max.			+250 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			<11 pF
Grid no.1 to plate			<1.1 pF
<b>Mechanical</b>			
Operating Position			vertical
Base	Large wafer octal 8-pin with metal sleeve		
Dimensions:			
Height		115 mm (4.527")	
Seated height		103 mm (4.055")	
Diameter		52 mm (2.047")	
Cooling			Convection
Approximate net weight		90 g (3.17 oz.)	

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

#### AF Power Amplifier

##### Maximum ratings

DC plate voltage	800 V
Grid no.2 DC (screen) voltage	600 V
Grid no.1 (control) voltage	- 300 V
DC cathode current	230 mA
Plate dissipation	42 W
Grid no.2 DC (screen) dissipation	8 W
Bulb temperature (surface hottest point)	250° C

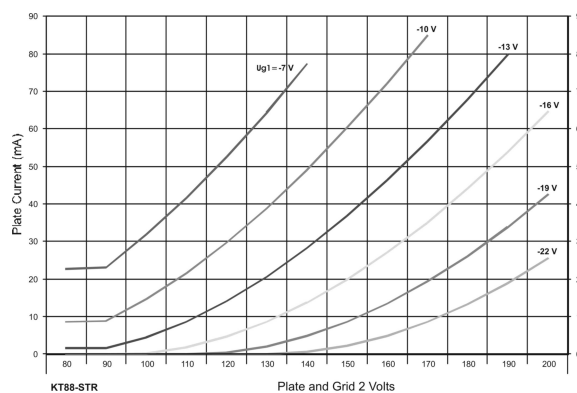
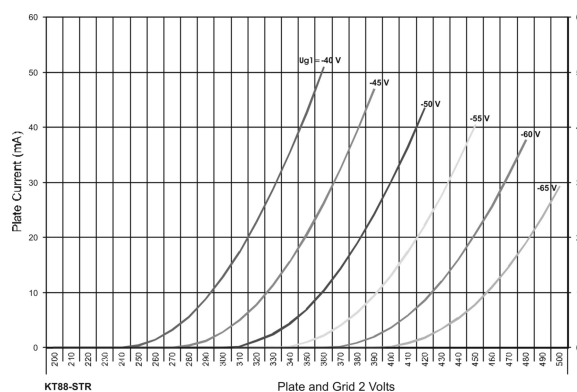
##### Typical Operation

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

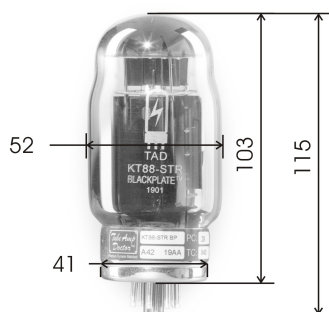
Plate Voltage	400 V
Grid 2 Screen Voltage	225 V
Grid 1 Control Voltage*	-16.5 V
Peak AF Grid 1 Control Voltage	16.5 V
Zero Signal Plate Current	87 mA
Maximum Signal Plate Current	105 mA
Zero Signal Grid 2 Screen Current (avg)	4 mA
Transconductance (nominal)	9,000 mS
Load Resistance	6000 Ohms
Output Power at 5% distortion	19 W

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

### Typical Performance KT88 Curve



#### Outline View



#### Bottom View

##### Octal Base Connections

