



## TAD – KT88-STR REDBASE® High Performance Audio Beam Power Tetrode

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

A breath-takingly big and precise tone and great appearance make the new **TAD KT88-STR REDBASE®** the best choice for both, high-end audio applications and powerful bass guitar amps, providing a natural and three-dimensional tone with pleasingly full warmth and fine, subtle highs.

### Characteristics

#### Electrical

Heater:	Min.	Nom.	Max.	
Voltage (AC or DC)	5.8	6.3	6.8	V
Current			1.65	A
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			<15	pF
Plate to cathode and grid no.3, grid no.2,				
base sleeve and heater			<12	pF
Grid no.1 to plate			<1.4	pF

#### Mechanical

Operating Position	vertical
Base	Large wafer octal 8-pin with metal sleeve
Dimensions:	
Height	118 mm (4.646")
Seated height	104 mm (4.095")
Diameter	max. 53 mm (2.087")
Cooling	Convection
Approximate net weight	85 g (3.00 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	-200 V
DC cathode current	230 mA
Plate dissipation	42 W
Grid no.2 DC (screen) dissipation	8 W
Plate + Grid no.2 dissipation	46 W
Bulb temperature (surface hottest point)	250° C

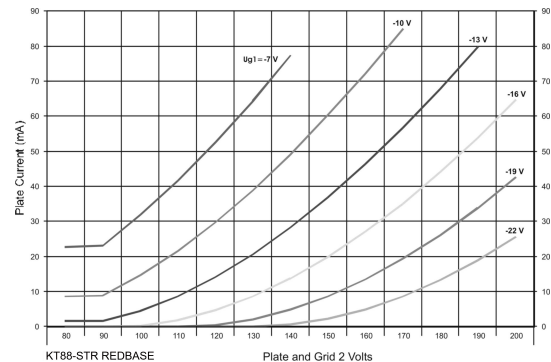
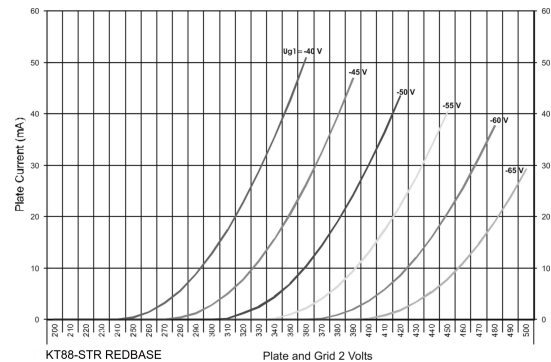
#### Typical Operation

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

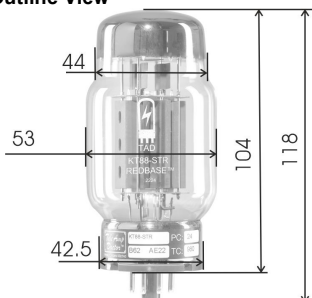
Plate Voltage	400 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-16 V
Peak AF Grid 1 Control Voltage	15 V
Zero Signal Plate Current	85 mA
Maximum Signal Plate Current	105 mA
Zero Signal Grid 2 Screen Current (avg)	3 mA
Transconductance (nominal)	10000 mS
Load Resistance	6000 Ohms
Output Power at 5% distortion	18.5 W

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

#### Typical performance KT88-STR REDBASE® curve



#### Outline View



#### Bottom View

##### Octal Base Connections

