



TAD – EL84-STR REDBASE High Performance Audio Power Pentode

With the **TAD EL84-STR REDBASE**, we have combined the best of both worlds:
-we chose the thickest glass option for the most robust construction, like the Russian EL84M

-for the best sonic results, we chose the most promising cathode and plate material to achieve a superior tonal quality

Finally, we added the gold grid wire to limit stray characteristics and to improve overall reliability. The result is the best EL84 of current production. No compromise!

Due to its diameter of 22.5mm, the **TAD EL84-STR REDBASE** does not fit into older Marshall DSL401 and UK made VOX AC15 TBX amplifiers.

Characteristics

Electrical

Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.7 V
Current	ca. 0,78 A		
Cathode:	Oxide-coated, unipotential		
Cathode-to-heater potential, max.	100 V		
Direct interelectrode capacitances, max.***			
Grid no.1 to cathode	11.8pF		
Grid no.1 to anode	0.6 pF		
Anode to cathode	6.5pF		
Grid no.1 to heater	0.3pF		

Mechanical

Operating Position	vertical operation preferred
Base	noval, 9-pin
Dimensions:	
Height	77 mm (3.03 in.)
Seated height	70 mm (2.76 in.)
Diameter	22.5 mm (0.89 in.)
Cooling	Convection
Approximate net weight	21 g (0.74 oz.)

***Without external shielding, nominal values

AF Power Amplifier

Maximum ratings

DC plate voltage	400 V
Grid no.2 DC (screen) voltage	300 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	65 mA
Plate dissipation	12 W
Grid no.2 DC (screen) dissipation	2 W
Grid no. 1 Resistor fixed bias	<300kΩ
Grid no. 1 Resistor automatic bias	<300kΩ

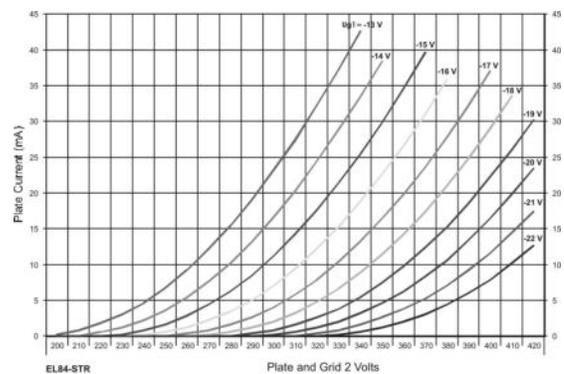
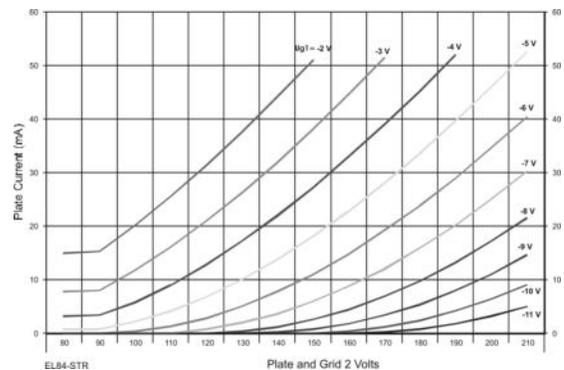
Typical Operation

AF Power Amplifier, Class A1 (single tube)

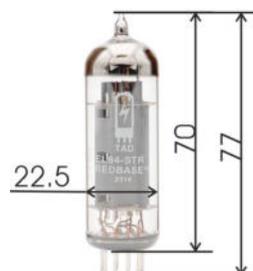
Plate Voltage	250 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-7.3 V
Zero Signal Plate Current	48 mA
Zero Signal Grid 2 Screen Current (avg)	4.9 mA
Load Resistance	5200 Ohms
Transconductance (nominal)	9500 mS
Output Power at 10% distortion	5.0 W

* Approximate Value (set to zero signal plate current)

Typical Performance EL84-STR REDBASE Curves

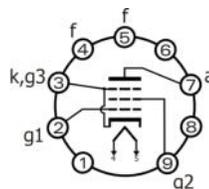


Outline View



Bottom View

Octal Base Connections



free pins not to be connected externally

