TAD – EL84-M
High Performance Audio Power Pentode

The **TAD EL84M** offers a very rugged construction which makes it the perfect choice for small combo amps.
It features strong mids and defined bass response. Even, when played at lower volume or in a complex stage sound situation, your sound will prevail. This is the most reliable and longest-lasting military grade EL84 on the market and operates up to 10,000 hours.

Unfortunately, this tube is not being produced anymore.

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

Characteristics

Electrical

Heater:	Min.	Nom.	Max.	
Voltage (AC or DC)	5.9	6.3	6.9	V
Current			0.78	A
Cathode:			Oxide-coated, unipotential	
Cathode-to-heater potential, max.			100 V	
Direct interelectrode capacitances, max.***				
Grid no.1 to cathode			11.5pF	
Grid no.1 to plate			0.6 pF	
Plate to cathode			8.5pF	
Grid no.1 to heater			0.2pF	

Mechanical

Operating Position	vertical operation preferred
Base	noval, 9-pin
Dimensions:	
Height	79 mm (3.11 in.)
Seated height	73 mm (2.87 in.)
Diameter	22.5 mm (0.89 in.)
Cooling	Convection
Approximate net weight	25 g (0.88 oz.)

***Without external shielding, nominal values

AF Power Amplifier
Maximum ratings

|	
DC plate voltage	420 V
Grid no.2 DC (screen) voltage	320 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	60 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)	5.5 mA
Load Resistance	5200 Ohms
Transconductance (nominal)	10500 mS
Output Power at 10% distortion	4.3 W

* Approximate Value (set to zero signal plate current)
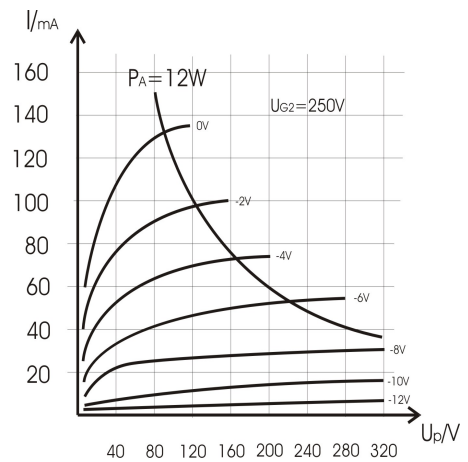
Outline View
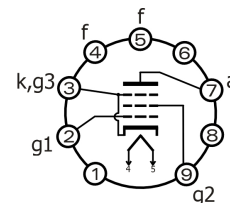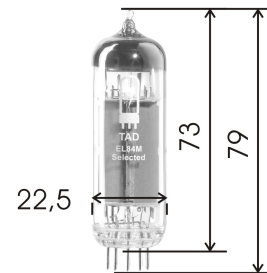
free pins not to be connected externally