

TAD – EL34-STR REDBASE
High Performance Audio Beam Power Pentode

Our new ***TAD EL34-STR REDBASE*** is a remake of the British Mullard EL 34 with its rugged construction and tone.
The precise and harmonic top end allows great clean tone and at same time the ***TAD EL34-STR REDBASE*** offers a powerful midrange and bottom end.
Its high TC (Gm) creates a very dynamic tone and a superior string attack.
Pushed to overdrive, this turns into the perfect lead sound with lots of singing sustain and crisp attack.
This trademark tone makes our ***TAD EL34-STR REDBASE*** the best choice for that big and legendary British guitar amp sound but also it is the first choice for high-end hi-fi audio applications.

The TAD EL34-STR REDBASE can replace any 6CA7 or KT77.

Characteristics

Electrical				
Heater:	Min.	Nom.	Max.	
Voltage (AC or DC)	5.8	6.3	6.7	V
Current			ca. 1.5	A
Cathode:			Oxide-coated, unipotential	
Cathode-to-heater potential, max.			+100 V	
Direct interelectrode capacitances, max.***				
Grid no.1 to cathode and grid no.3, grid no.2, base sleeve and heater			<16.0 pF	
Plate to cathode and grid no.3, grid no.2, base sleeve and heater			<9.0 pF	
Grid no.1 to plate			<1.80 pF	
Mechanical				
Operating Position			vertical only	
Base			JEDEC #8ET, octal, 8-pin	
Dimensions:				
Height			115 mm (4.527")	
Seated height			102 mm (4.016")	
Diameter			34 mm (1.339")	
Cooling			Convection	
Approximate net weight			50 g (1.76oz.)	

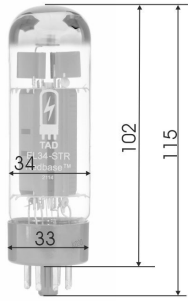
****Without external shielding, nominal values*

AF Power Amplifier	
Maximum ratings	
DC plate voltage	800 V
Grid no.2 DC (screen) voltage	500 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	150 mA
Plate dissipation	25 W
Grid no.2 DC (screen) dissipation	8 W

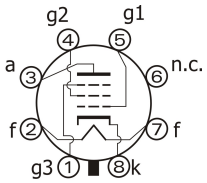
Typical Operation	
AF Power Amplifier, Class A1 (single tube)	
Plate Voltage	265 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-12.5 V
Peak AF Grid 1 Control Voltage	8.7 V
Zero Signal Plate Current	100 mA
Maximum Signal Plate Current	100 mA
Zero Signal Grid 2 Screen Current (avg.)	12.9 mA
Transconductance (nominal)	11,000 mS
Load Resistance	2k Ohms
Output Power at 13% distortion	10 W

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

Outline View



Bottom View
Octal Base Connections



free pins not to be connected externally

Typical Performance EL34-STR Curve

