



TAD – E34L-Cz High Performance Audio Beam Power Pentode



The **TAD E34L-Cz** is a glass envelope power pentode having a plate dissipation rating of 25 Watts with convection cooling. It is intended for audio frequency power amplification service in either pentode, ultra-linear or triode connection and single or push-pull/parallel applications. The **TAD E34L-Cz** is a long-life EL34 type tube and is a direct replacement for any EL34/6CA7 or equivalent. The **TAD E34L-Cz** features a lot of bite in the top end, punchy mids and well focused power from the deep bass. This qualifies the tube especially for use in Bass amplifiers. A wonderful EL34, with great tone for HiFi as well as for musical instrument amplification.

Characteristics

Electrical			
Heater:	Min.	Nom.	Max.
Voltage (AC or DC)	5.8	6.3	6.7 V
Current			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	<15.5 pF		
Plate to cathode and grid no.3, grid no.2, base sleeve and heater	<1.0 pF		
Grid no.1 to plate	<1.3 pF		
Mechanical			
Operating Position	Any		
Base	octal, 8-pin		
Dimensions:			
Height	112 mm (4.41 in.)		
Seated height	98 mm (3.86 in.)		
Diameter	33.3 mm (1.31 in.)		
Cooling	Convection		
Approximate net weight	60 g (2.1 oz.)		

***Without external shielding, nominal values

AF Power Amplifier

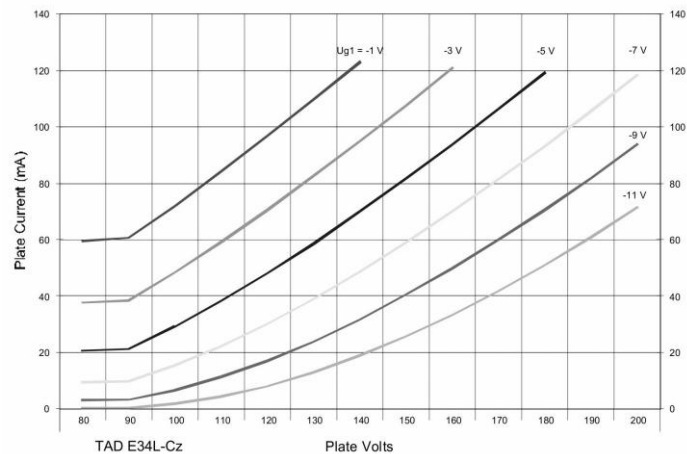
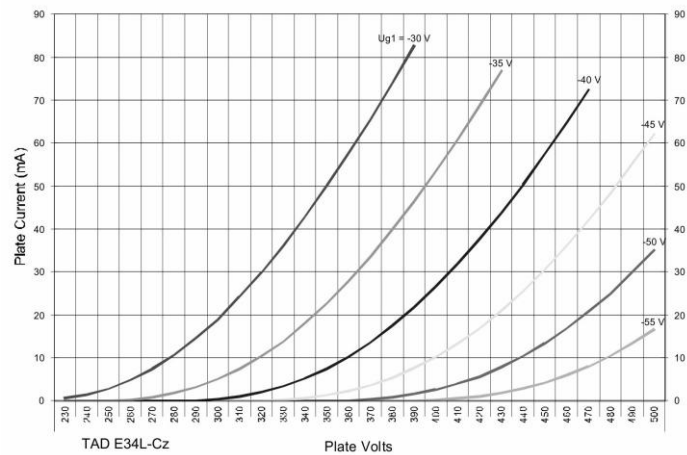
Maximum ratings	
DC plate voltage	800 V
Grid no.2 DC (screen) voltage	450 V
Grid no.1 (control) voltage	- 100 V
DC cathode current	150 mA
Plate dissipation	25 W
Grid no.2 DC (screen) dissipation	8 W
Bulb temperature (surface hottest point)	250° C

Typical Operation

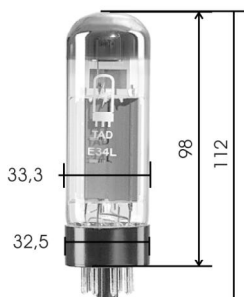
AF Power Amplifier, Class A1 (single tube)	
Plate Voltage	250 V
Grid 2 Screen Voltage	250 V
Grid 1 Control Voltage*	-15 V
Zero Signal Plate Current	100 mA
Maximum Signal Plate Current	105 mA
Zero Signal Grid 2 Screen Current (avg)	15 mA
Transconductance (nominal)	10000 mS
Load Resistance	2000 Ohms
Output Power at 5% distortion	10 W

* Approximate Value (set to zero signal plate current)

Typical Performance E34L-Cz Curves



Outline View



Version 1.0 17.10.2012

Bottom View

Octal Base Connections

