



## TAD – ECC83-WB High Performance Dual High-Mu Triode

The TAD™ ECC83-WB (part number: RT093) is a miniature, high-mu twin triode, selected and recommended for preamp stages of audio frequency amplifiers. The TAD™ ECC83-WB provides a stunning full tone, present midrange, and distinct natural overtone harmonics.

Perfect for clean or moderate gain preamps as well as for high-gain amps from V2 position and cathode followers because of its high cathode-heater voltage.

For V1 in general but especially for high-gain amps or phono/audio-amps, we recommend the Highgrade version of the TAD™ ECC83-WB which is the TAD™ 7025-WB (part number: RT093-HG)

The TAD™ ECC83-WB can replace any 7025, 12AX7WA, 12AX7WB, 12AX7LPS, 12AX7EH, ECC83 or E83CC.

### Characteristics of a bogey tube:

#### Electrical

Heater:	series	parallel
Voltage (AC or DC)	12.6V +/-0.6	6.3+/-0.3
Current ca.	0.18	0.35
Heating	Indirect	
Cathode-to-heater potential, max.	200 V	
Direct interelectrode capacitances, max.***		
Grid to plate	1.5 pF	
Grid to cathode and heater	1,6 pF	
Plate to cathode	0.5 pF	
Cathode to heater	5.2nF	
Grid reverse current	<0.2uA	
Transconductance (nominal)	1.7mA/V	
Amplification factor (nominal)	94	

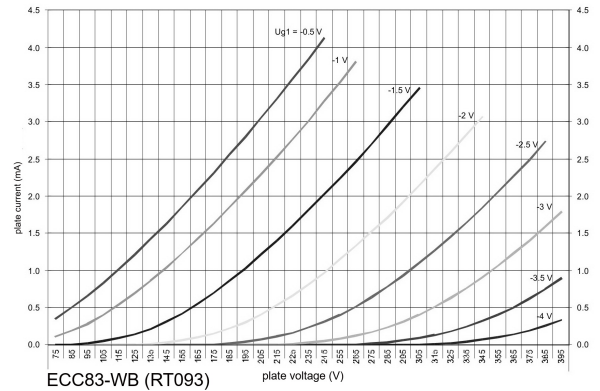
#### Mechanical

Operating Position	Any
Base	E9-1, Small Button 9 Pin
Dimensions (max.)	
Height	57.0 mm
Seated height	49.7 mm
Diameter	22.5 mm
Cooling	conventional
Approximate net weight	14 g

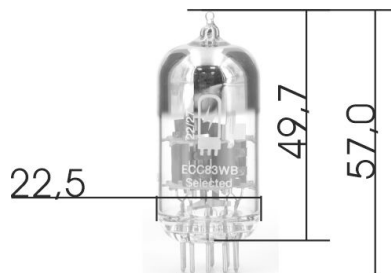
\*\*\*Without external shielding, nominal values

#### AF Power Amplifier

<b>Maximum ratings</b>	
DC plate voltage	300 V
Positive DC Grid Voltage	0 V
Negative DC Grid Voltage	-55 V
Plate dissipation	1.0 W
Bulb temperature (surface hottest point)	135°C
Cathode Current	10 mA
Rg-k, self bias max.	2.2MΩ
Rg-k, fixed bias max.	1MΩ



#### Outline View:



#### Bottom View Noval Base Connections

