

TAD ECC83-Cz High-Mu Twin Triode



The TAD™ ECC83-Cz is a miniature, high-mu twin triode with good gain, round deep bass, somewhat compressed mids and very smooth top end. Selected and recommended for guitar amps to smoothen up the tone or for HiFi to shape the body of sound more to “that” tube tone.

Best for jazzy and thick clean as well as for vintage bass response. Recommended for all positions in amps with medium gain level or High-Gain Amps for V2+ positions. As for V1 in general but especially for higher gain amps or phono/audio-amps, we recommend the RT030 7025/E83CC Highgrade or our new RT080 7025WA Highgrade.

The TAD™ ECC83-Cz 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 +/-1.0	6.3+/-0.5
Current	0.15	0.3
Heating	Indirect	
Cathode-to-heater potential, max.	120 V	
Direct interelectrode capacitances, max.***		
Grid to plate	3.2 pF	
Grid to cathode	2.4 pF	
Grid to heater	1.2 pF	
Plate to cathode	1.0 pF	
Mechanical		
Operating Position	Any	
Base	E9-1, Small Button 9 Pin	
Dimensions:		
Height	55.6 mm	
Seated height	49.2 mm	
Diameter	22 mm	
Cooling	conventional	
Approximate net weight	13 g	

***Without external shielding, nominal values

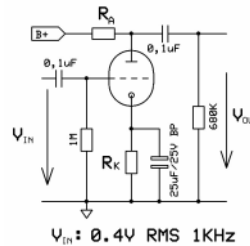
AF Power Amplifier

Maximum ratings	
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)	160°C
Cathode Current	8 mA

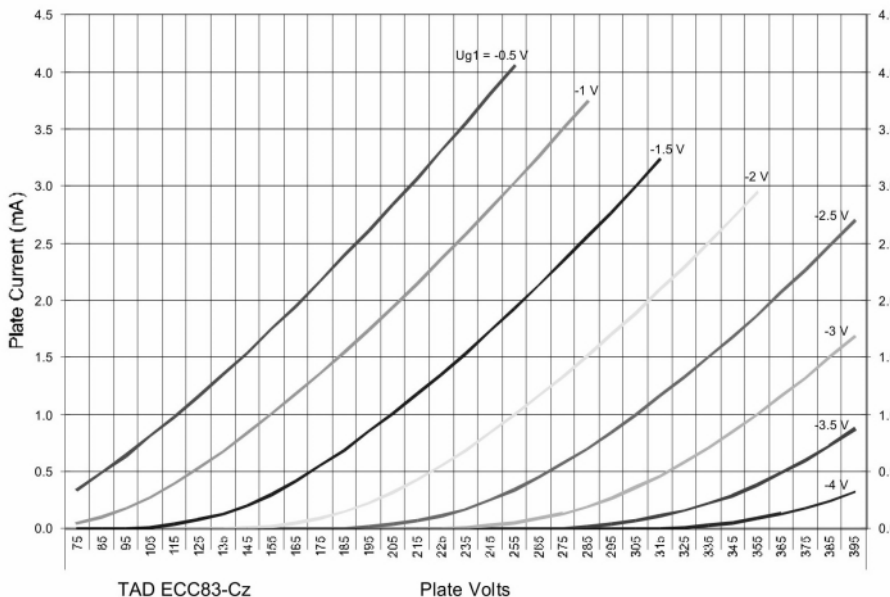
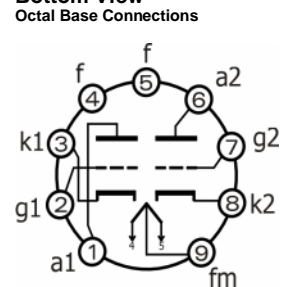
RT003, ECC83-Cz

B+ / V	R _A / kΩ	R _K / kΩ	V _{Out} / V _{RMS}	V _{Out} / V _{IN}	THD / %	I _A / mA
200	47	1.50	14,3	35,8	5,0	0,8
250	47	1,20	15,8	39,5	3,5	1,0
300	47	1,00	17,0	42,5	2,7	1,4
350	47	0,82	18,1	45,3	2,2	1,8
400	47	0,68	18,6	46,5	1,8	2,3
200	100	1,80	19,0	47,5	4,6	0,6
250	100	1,50	20,6	51,5	3,4	0,8
300	100	1,20	21,9	54,8	2,3	1,1
350	100	1,00	22,9	57,3	1,9	1,3
400	100	0,82	23,8	59,5	1,6	1,6
200	220	2,70	21,4	53,5	5,6	0,4
250	220	2,20	23,5	58,8	3,5	0,5
300	220	1,50	25,2	63,0	2,5	0,7
350	220	1,20	26,3	65,8	2,0	0,8
400	220	1,00	27,1	67,8	1,7	1,0

Test arrangement:



Bottom View



Outline View

