



TAD – 12AX7A/ECC83 High Performance High-Mu Twin Triode

The TAD™ 12AX7A/ECC83 is a miniature, high-mu twin triode with very good gain, tight deep bass, fat mids and silky and clear top end with overall definition and brightness. Selected and recommended for guitar amps to improve overall response. Best for clean tones as well as for those deep-bass required for modern preamps. 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 RT010 7025 Highgrade or our new RT080 7025WA Highgrade.

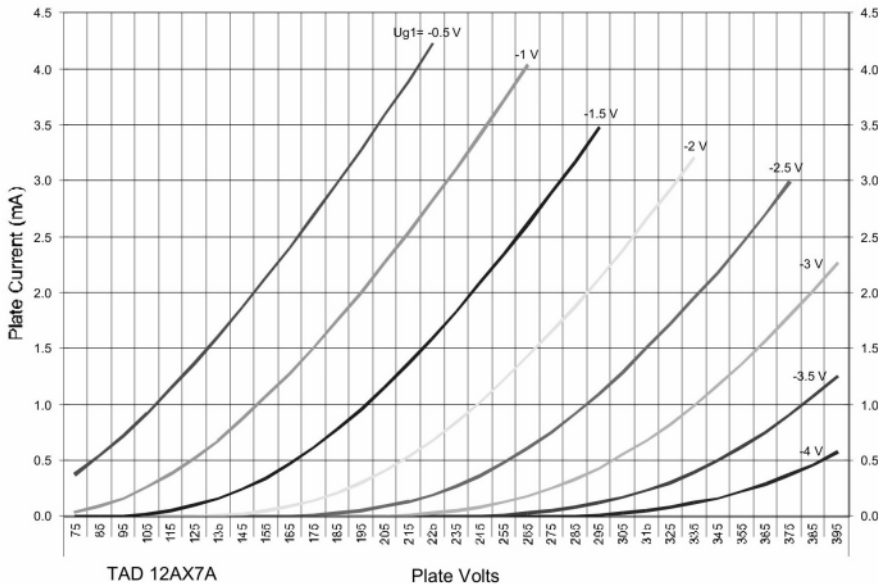
The TAD 12AX7A-C can replace any 7025, 12AX7WA, 12AX7WB, 12AX7LPS, 12AX7EH, ECC83 or E83CC.

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.		150 V
Direct interelectrode capacitances, max.***		
Grid to plate		1.5 pF
Grid to cathode		1.7 pF
Grid to heater		0.2 pF
Plate to cathode		0.3 pF
Mechanical		
Operating Position		Any
Base		E9-1, Small Button 9 Pin
Dimensions:		
Height		56 mm
Seated height		49 mm
Diameter		22.5 mm
Cooling		conventional
Approximate net weight		13 g

AF Power Amplifier

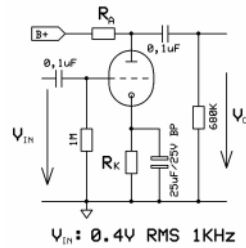
Maximum ratings	
DC plate voltage	330 V
Positive DC Grid Voltage	0 V
Negative DC Grid Voltage	-55 V
Plate dissipation	1.2 W
Bulb temperature (surface hottest point)	160°C
Cathode Current	8 mA



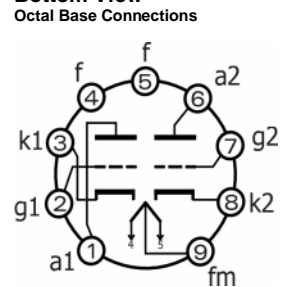
RT001, 12AX7A

B+ / V	R _A / kΩ	R _K / kΩ	V _{Out} / V _{RMS}	V _{Out} / V _{IN}	THD / %	I _A / mA
200	47	1,50	14,9	37,3	6,3	0,8
250	47	1,20	16,7	41,8	4,8	1,1
300	47	1,00	18,1	45,3	3	1,5
350	47	0,82	18,9	47,3	2,2	1,9
400	47	0,68	19,9	49,8	1,7	2,4
200	100	1,80	19,1	47,8	5,3	0,6
250	100	1,50	20,8	52,0	4	0,8
300	100	1,20	22,4	56,0	2,7	1,1
350	100	1,00	23,6	59,0	2,1	1,4
400	100	0,82	24,6	61,5	1,6	1,7
200	220	2,70	20,8	52,0	6	0,4
250	220	2,20	22,9	57,3	4,1	0,5
300	220	1,50	25,0	62,5	3,2	0,7
350	220	1,20	26,3	65,8	2,3	0,9
400	220	1,00	27,3	68,3	1,9	1,0

Test arrangement:



Bottom View



Outline View

