

TAD – 7025/E83CC REDBASE® Highgrade High Performance High-Mu Twin Triode

New for 2024: our TAD 7025 / E83CC REDBASE HIGHGRADE is the HIGHGRADE version of our RT-12AX7 and is carefully selected for the most demanding gain stages in any guitar or headphone amp, tube microphones or the extremely sensitive phono preamp-positions in audio amplifiers. Tonally, this tube produces fine, airy, silky and pleasant highs, a complex and dense midrange with clarity and definition in the low end - providing maximum smoothness and zero microphonics. Great warm cleans and creamy overdrive.

It supports the traditional Fender® tone and brings more liveliness and brilliance to a AC30®. Your Boogie® or Marshall® will benefit, too.

The TAD 7025 / E83CC REDBASE® can replace any ECC83, E83CC, ECC803S, 12AX7, 12AX7A, 12AX7M, 12AX7WA/WB/WC/LPS/EH, 5751, 7025, CV492 and CV4004. Also replaces the MESA® SPAX7-A



Characteristics of a bogey tube:

Electrical

Heater:	series	parallel
Voltage (AC or DC)	12.6V +/-1.0	6.3+/-0.5
Current ca.	0.18	0.35
Heating	Indirect	
Cathode-to-heater potential, max.	180 V	
Direct interelectrode capacitances, max.***		
Grid to plate	1.9 pF	
Grid to cathode	2.2 pF	
Grid to heater	0.5 pF	
Plate to cathode	0.5 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	12 g

***Without external shielding, nominal values

AF Power Amplifier

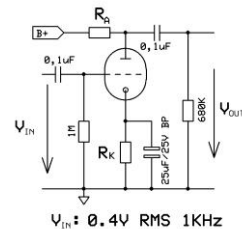
Maximum ratings

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)	165°C
Cathode Current	8 mA
Rg-k max.	2.2MΩ

RT-7025/E83CC REDBASE (2024)

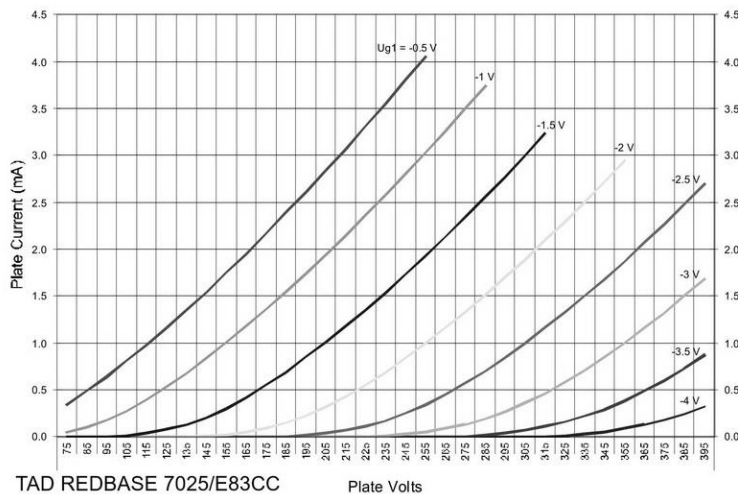
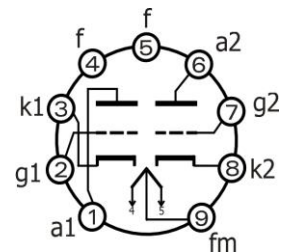
B+ / V	R _A / kΩ	R _K / kΩ	V _{OUT} / V _{RMS}	V _{OUT} / V _{IN}	THD / %	I _A / mA
200	47	1,50	14,4	36,0	5,7	1,0
250	47	1,20	15,9	39,8	4,0	1,2
300	47	1,00	17,9	44,8	3,0	1,6
350	47	0,82	18,6	46,5	2,1	2,0
400	47	0,68	19,7	49,3	1,8	2,5
200	100	1,80	18,6	46,5	5,3	0,7
250	100	1,50	20,4	51,0	3,8	1,0
300	100	1,20	22,0	55,0	2,8	1,2
350	100	1,00	23,2	58,0	2,2	1,6
400	100	0,82	24,1	60,3	1,7	2,0
200	220	2,70	20,4	51,0	5,7	0,4
250	220	2,20	22,5	56,3	4,2	0,5
300	220	1,50	24,6	61,5	3,1	0,7
350	220	1,20	26,0	65,0	2,6	0,9
400	220	1,00	27,0	67,5	2,0	1,1

Test setup:



Bottom View

Noval Base Connections



Outline View

