



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



Our all-new TAD 7025 / E83CC REDBASE HIGHGRADE is carefully selected for all the 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 an 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.	170 V	
Direct interelectrode capacitances, max.***		
Grid to plate	1.8 pF	
Grid to cathode	1.9 pF	
Grid to heater	0.3 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

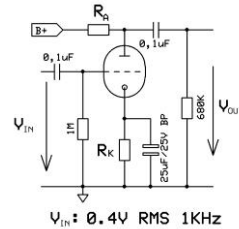
\*\*\*Without external shielding, nominal values

#### AF Power Amplifier

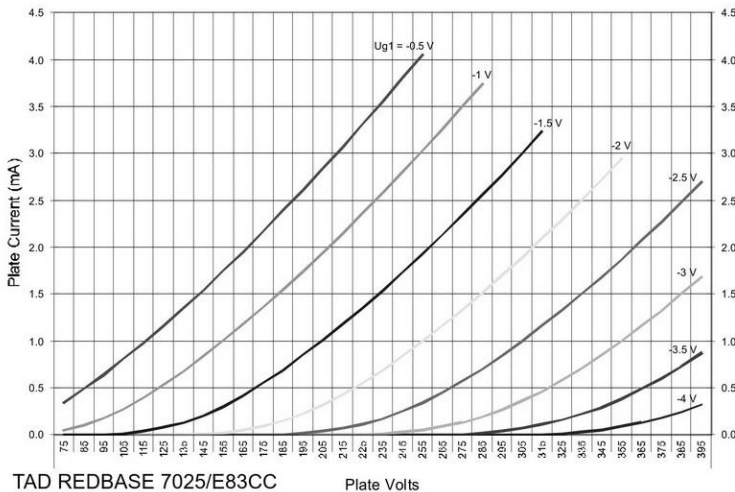
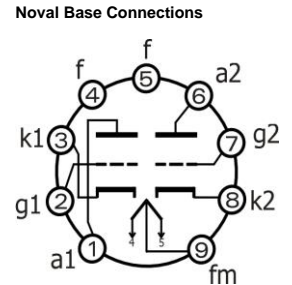
DC plate voltage	330 V
Positive DC Grid Voltage	0 V
Negative DC Grid Voltage	-55 V
Plate dissipation	1.2 W
Bulb temperature (surface hottest point)	165°C
Cathode Current	8 mA
Rg-k max.	2.2MΩ

RT-7025, 7025/E83CC REDBASE HIGHGRADE						
B+ / V	R <sub>A</sub> / kΩ	R <sub>K</sub> / kΩ	V <sub>Out</sub> / V <sub>RMS</sub>	V <sub>Out</sub> / V <sub>IN</sub>	THD / %	I <sub>b</sub> / mA
200	47	1,50	14,6	36,5	5,7	0,7
250	47	1,20	16,1	40,3	4,0	1,0
300	47	1,00	18,0	45,0	3,0	1,4
350	47	0,82	18,7	46,8	2,1	1,8
400	47	0,68	19,6	49,0	1,9	2,2
200	100	1,80	18,7	46,8	5,3	0,6
250	100	1,50	20,5	51,3	3,8	0,7
300	100	1,20	22,2	55,5	2,8	1,1
350	100	1,00	23,4	58,5	2,3	1,3
400	100	0,82	24,4	61,0	1,8	1,6
200	220	2,70	20,6	51,5	5,7	0,4
250	220	2,20	22,7	56,8	4,2	0,5
300	220	1,50	24,8	62,0	3,1	0,7
350	220	1,20	26,1	65,3	2,6	0,8
400	220	1,00	27,0	67,5	2,0	0,9

#### Test setup:



#### Bottom View



#### Outline View

