ECC82 is A.F. Double Triode



Quick reference data

- Anode current I_a=10,5mA
- Transcoductance S=2,2mA/V
- Amplification μ=17

Heating

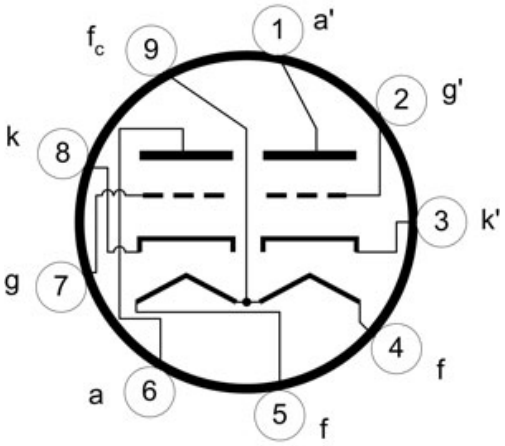
Heating is indirect by AC od DC, with serial or parallel supply.

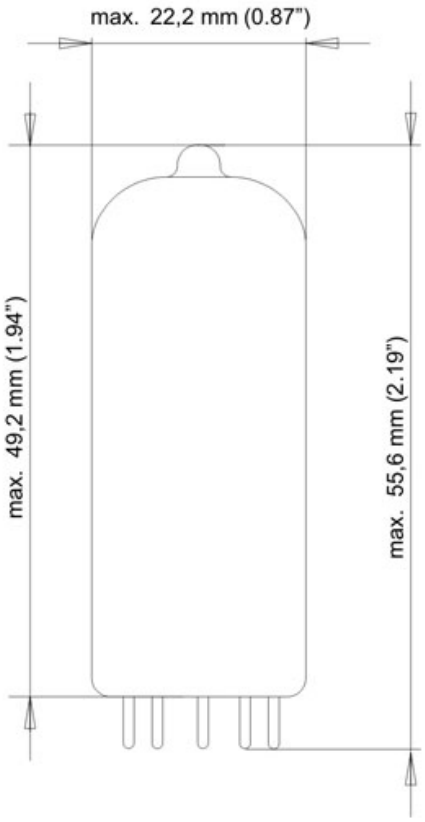
Heater voltage	V_f	6,3	12,6	(V)
Heater current	I_f	300	150	(mA)
pins		9-(4+5)	4-5	

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Electronic mail: eirc@eierc.com
Web site: http://www.eierc.com/rc/default.htm

Dimensions and connections

Base: Noval





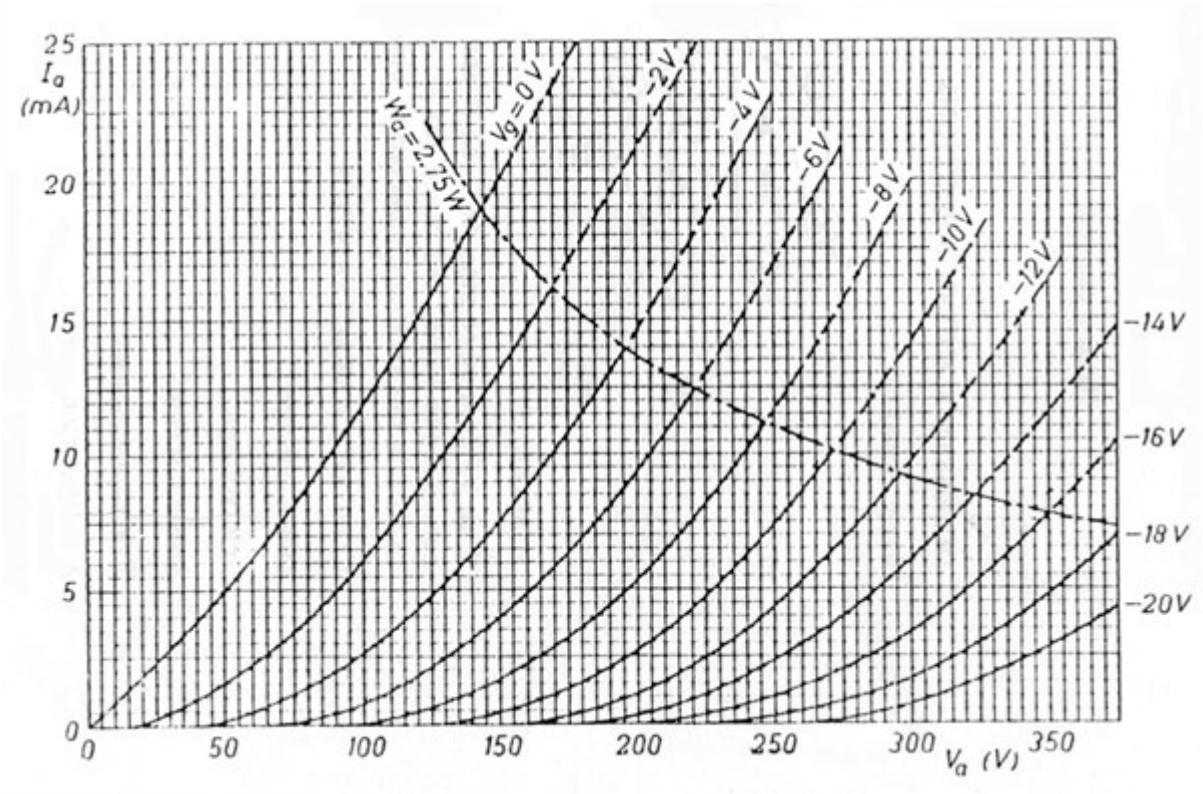
Typical characteristics and operating conditions

Anode voltage	V_a	100	250	(V)
Grid voltage	V_g	0	-8,5	(V)
Anode current	I_a	11,8	10,5	(mA)
Transconductance	S	3,1	2,2	(mA/V)
Amplification	μ	19,5	17	
Internal resistance	R_i	6,25	7,7	(kΩ)

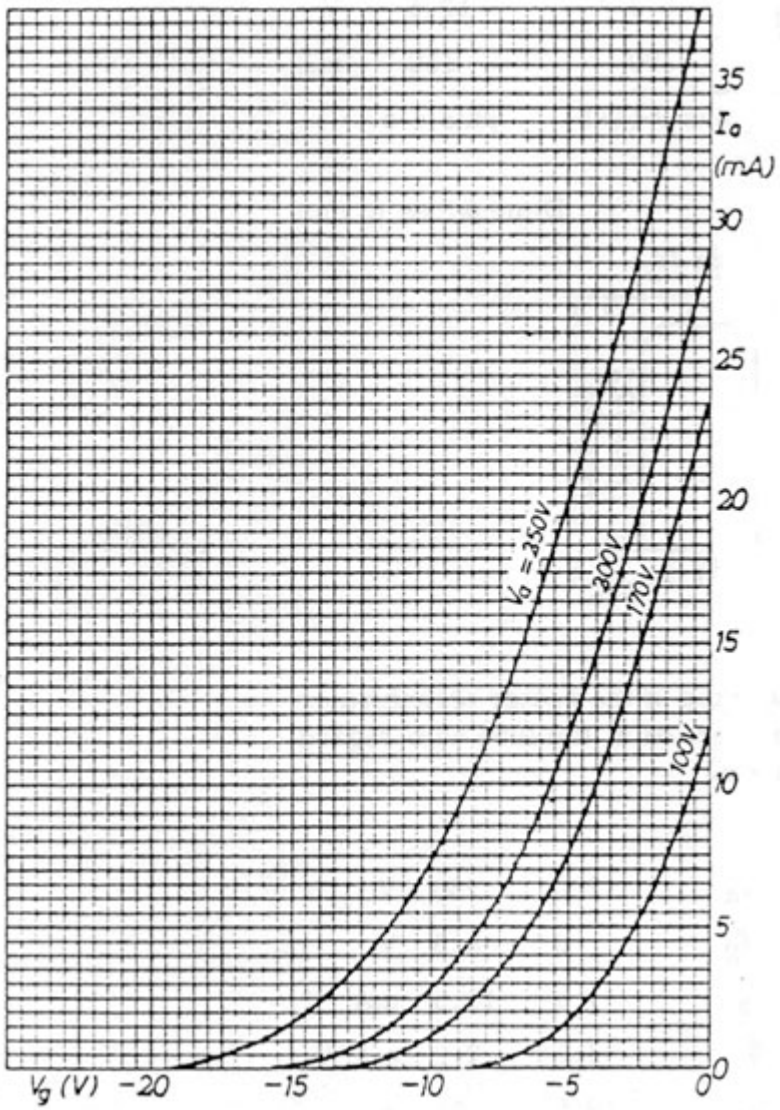
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Limiting - maximal values (design center rating system)

Anode voltage	V_{ao}	550	(V)
	V_a	300	
Anode dissipation	W_a	2,75	(W)
Cathode current	I_k	20	(mA)
Grid voltage	V_g	-100	(V)
Grid voltage, peak	V_{gp}	-250	(V)
Grid resistor (automatic bias)	R_g	1	(MΩ)
Cathode to heater voltage	V_{kf}	180	(V)
Cathode to heater circuit resistance in phase splitting circuits	R_{kf}	150	(kΩ)



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Application note:

This tube can be used without precautions against microphony in equipment which is characterized by $V_i \geq 10mV$ for an output of 50mW of the output tube (or $V_i \geq 100mV$ for 5W output), provided that average acceleration of the tube is not greater than indicated in the Section "Microphonic effect" from the "Application directions". When the center tap of the heater transformer is grounded, $R_g \leq 0{,}3M\Omega$ and R_k is sufficiently decoupled, and the disturbance level from hum and noise will be better than 60dB bellow 100mV.

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