

Loewe 2HF

The Loewe 2HF is a direct heated double spaces charge tetrode

Source :
 Die Mehrfachröhre
 Dr. Eugen Nesper und
 Dipl. Ing. Walter Kunze
 Fisher Druck GmbH
 Berlin 1928

Electrical properties:

Filament Voltage	4 Volts dc
Filament Current	0.17 A
Plate Voltage	90 Volts
Space charge grid	+ 10 tot 30 Volts

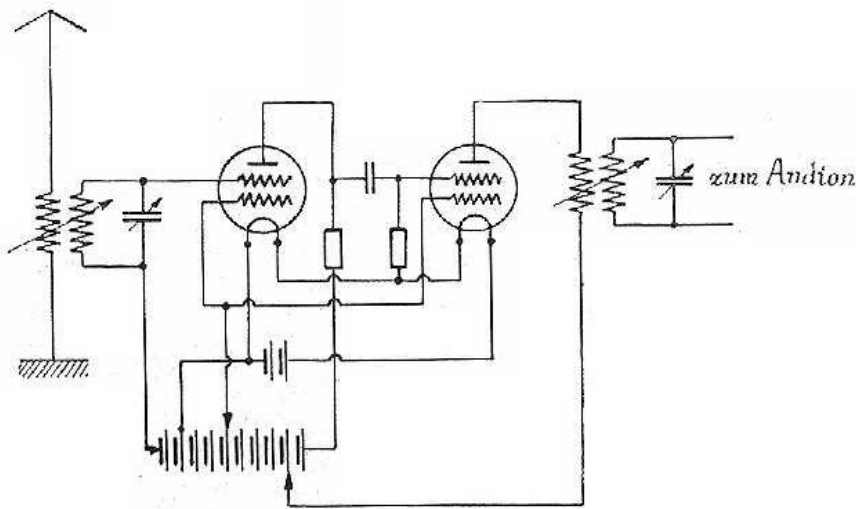


Abb. 3. Prinzipschema der zweifachen HF-Verstärkung.

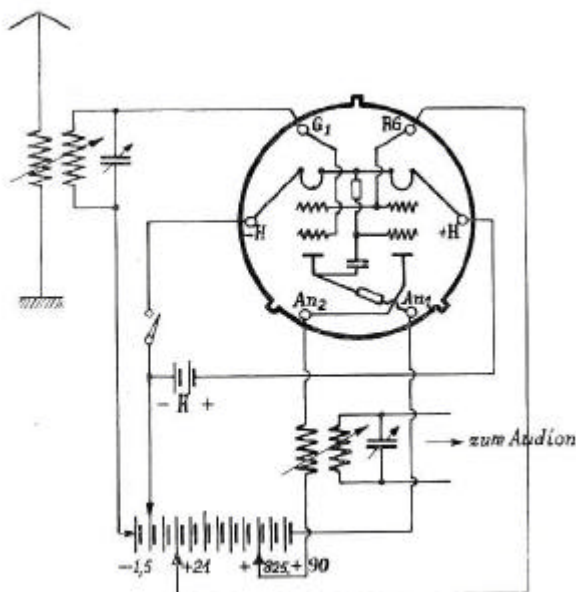


Abb. 2. Schema der 2HF-Röhre.

Passive Internal Components:

Plate resistace first tetrode = 35 k?

Capacitor = ? pf

Grid resistor second tetrode = 5 M?

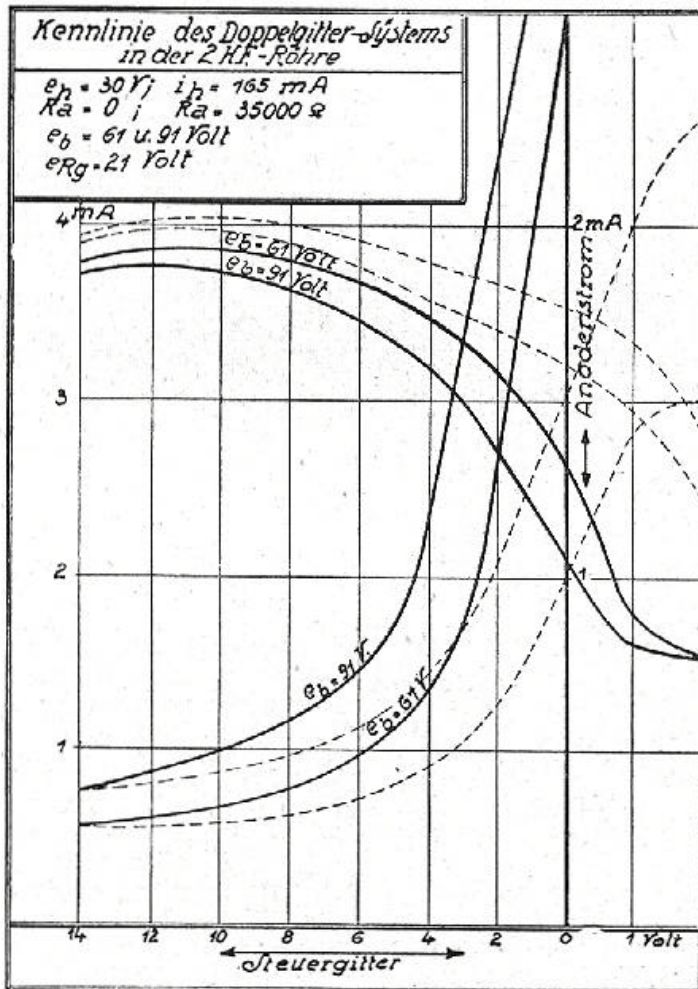


Abb. 7. Charakteristiken der 2 HF-Röhre.



Abb. 1

Characteristics

These characteristics are valid for a space charge voltage of + 21 Volts.

The rising characteristics

The dotted lines belong to the first tetrode with plate resistance of 35k Ω at a battery voltage of 61 and 91 Volts.

The continuous lines belong to the second tetrode with a transformer as load.

The descending characteristics

These represent the space charge grid current at a battery voltage of 61 and 91 Volts.

The dotted lines belong to the first and the continuous lines belong to the second tetrode.

Other recommendations

The filament voltage should be between 3.8 and 4.2 Volts for optimum emission.

The negative grid voltage on the control grid of the first tetrode should be around -1.5 Volts. (Note that there will be 2 Volts across each filament.)