

Netzröhre für W-Heizung
direkt geheizt
Parallelspeisung

AC-Heating
directly heated
connected in parallel

TELEFUNKEN

RG 62 D

**Einweg-Gleichrichter
Half-wave rectifier**

| | | |
|---------------------------|------------|---|
| U_f | 2,5 | V |
| I_f | ca. 4 | A |
| Anheizzeit · Warm-up time | min. 3 | s |

Betriebswerte · Typical operation

C-Eingang (f = 50 Hz) · Capacitor input

Einweg-Gleichrichter
Half-wave rectifier

| | | |
|-------------------------|-------------|---------------|
| $U_{Tr\text{eff leer}}$ | 1650 | V |
| $U_{Tr\text{eff}}$ | ca. 1600 | V |
| C_L | 4 | μF |
| R_f | 200 | Ω |
| $U_ =$ | ca. 2000 | V |
| $I_ =$ | 100 | mA |

Zweiweg-Gleichrichter

Full-wave rectifier

2 Röhren · 2 tubes

| | | |
|-------------------------|-----------------|---------------|
| $U_{Tr\text{eff leer}}$ | 2 x 1650 | V |
| $U_{Tr\text{eff}}$ | ca. 2 x 1600 | V |
| C_L | 4 | μF |
| R_f ¹⁾ | 200 | Ω |
| $U_ =$ | ca. 2000 | V |
| $I_ =$ | 200 | mA |

Drossel-Eingang (f = 50 Hz) · Choke input

Zweiweg-Gleichrichter

Full-wave rectifier

2 Röhren · 2 tubes

| | | |
|-------------------------|-----------------|---------------|
| $U_{Tr\text{eff leer}}$ | 2 x 1650 | V |
| $U_{Tr\text{eff}}$ | ca. 2 x 1600 | V |
| L_{Sieb} | 10 | H |
| C_{Sieb} | 4 | μF |
| R_f ¹⁾ | 200 | Ω |
| $U_ =$ | ca. 1400 | V |
| $I_ =$ | 250 | mA |

¹⁾ je Röhre · per tube

R_f Schutzwiderstand bei Gleichrichterröhren (minimal Wert)
(safety) protection resistor for rectifier tubes, minimum value

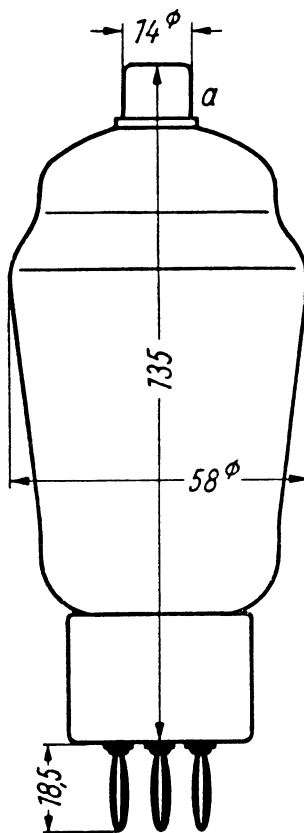


Absolute Grenzdaten · Absolute maximum ratings

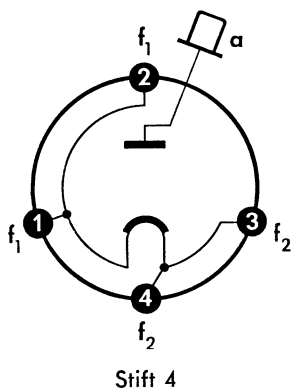
absolute Maxima

| | | |
|---------------------------------------|-------------|---------------|
| U_{sperr} | 4600 | V |
| U_{Treff} | 1650 | V |
| I_{ksp} | 800 | mA |
| $I_k (U_a \leq 800 \text{ V})$ | 175 | mA |
| $I_k (U_a > 800 \text{ V})$ | 150 | mA |
| $N_a (U_{sperr} \leq 3600 \text{ V})$ | 15 | W |
| $N_a (U_{sperr} > 3600 \text{ V})$ | 10 | W |
| $C_L (U_a \leq 1000 \text{ V})$ | 8 | μF |
| $C_L (U_a > 1000 \text{ V})$ | 4 | μF |
| R_f | 200 | Ω |

max. Abmessungen
max. dimensions



Sockelschaltbild
Base connection



Zur strommäßigen Entlastung der Sockelstifte sind je 2 Stifte miteinander verbunden.

Es ist erforderlich, auch die entsprechenden Buchsen in der Fassung miteinander zu verbinden.

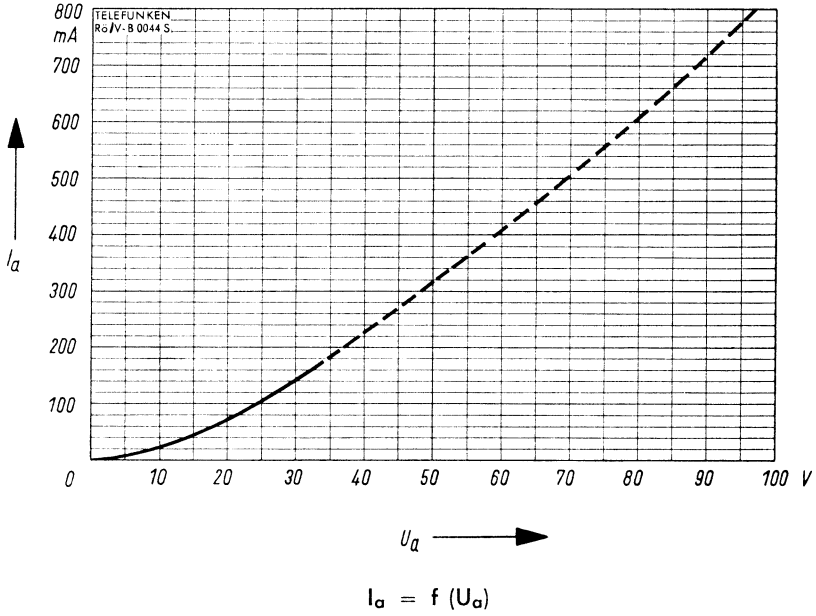
To reduce the current load of the base pins, two pins are interconnected in each case.

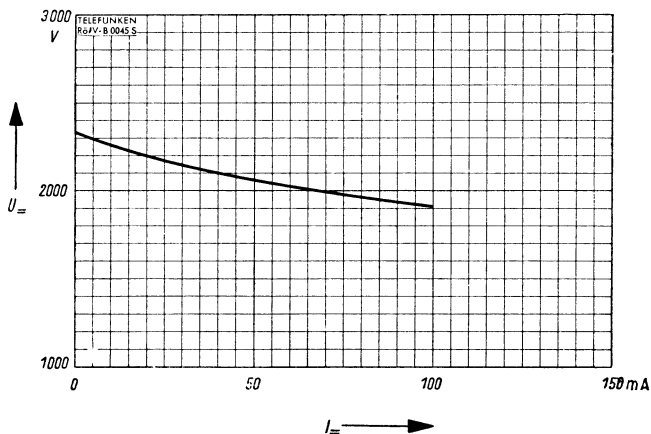
It is also necessary to interconnect the corresponding jacks in the holder.

Gewicht · Weight
ca. 80 g

Zubehör · Accessories
Fassung Lg.-Nr. 30 203
Socket stock no. 30 203

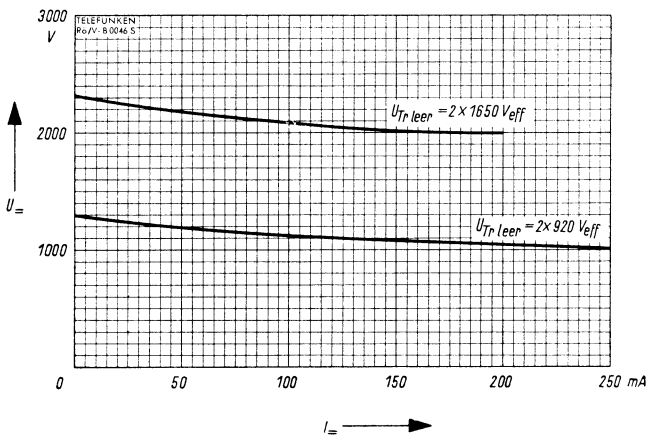
Anschluß für Anode
Lg.-Nr. 30 365
Clip for Anode





Einweggleichrichtung

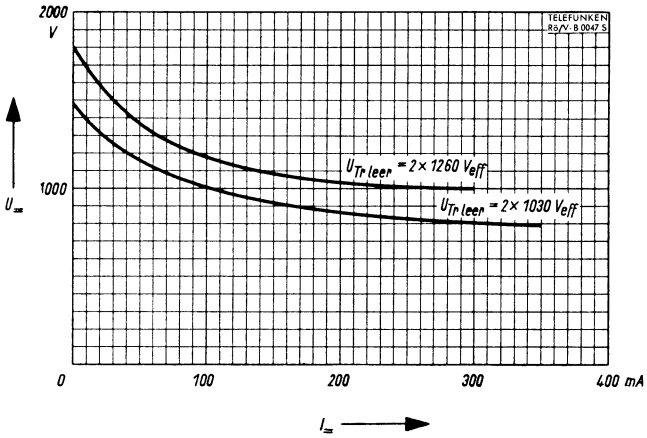
$$\begin{aligned}
 U_{Tr\ eff} &= 1600 \text{ V} \\
 R_t &= 200 \ \Omega \\
 C_L &= 4 \ \mu\text{F} \\
 f &= 50 \text{ Hz}
 \end{aligned}$$



2 Röhren als Zweiweggleichrichter, C-Eingang

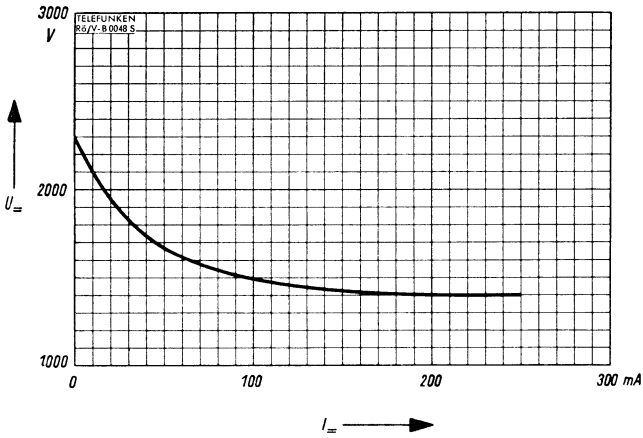
$$\begin{aligned}
 U_{Tr\ eff} &= 2 \times 900 & 2 \times 1600 & \text{V} \\
 R_t &= 200 & 200 & \Omega \\
 C_L &= 8 & 4 & \mu\text{F} \\
 f &= 50 & 50 & \text{Hz}
 \end{aligned}$$





2 Röhren als Zweiweggleichrichter, L-Eingang

| | | | |
|-----------------|-----------------|-----------------|----------|
| $U_{Tr, eff} =$ | 2×1000 | 2×1230 | V |
| $L_{sieb} =$ | 10 | 10 | H |
| $C_{sieb} =$ | 8 | 8 | μF |
| $R_t^{1)} =$ | 200 | 200 | Ω |
| $f =$ | 50 | 50 | Hz |

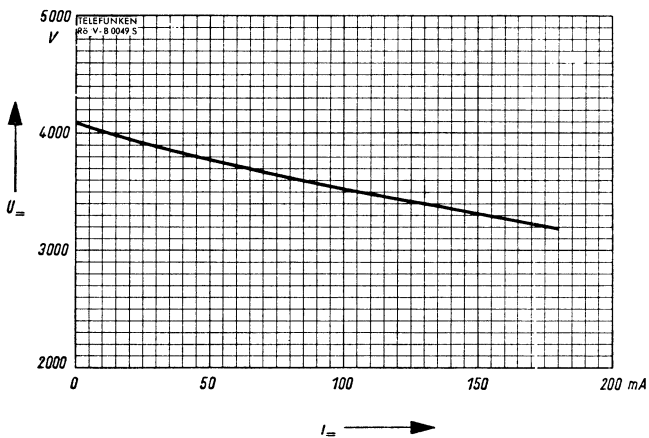


2 Röhren als Zweiweggleichrichter, L-Eingang

| | | |
|-----------------|-----------------|----------|
| $U_{Tr, eff} =$ | 2×1600 | V |
| $L_{sieb} =$ | 10 | H |
| $C_{sieb} =$ | 4 | μF |
| $R_t^{1)} =$ | 200 | Ω |
| $f =$ | 50 | Hz |

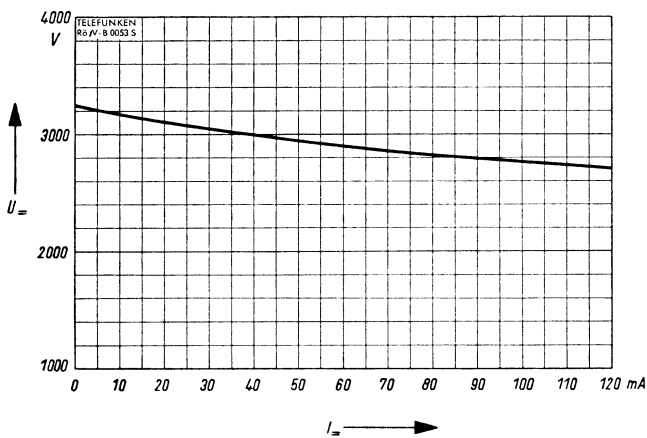
¹⁾ je Röhre.





4 Röhren (je 2 parallel) in Delon-Schaltung

$$\begin{aligned}
 U_{\text{Tr eff}} &= 1400 \text{ V} \\
 R_f^{1)} &= 200 \ \Omega \\
 C_L^{2)} &= 4 \ \mu\text{F} \\
 f &= 50 \text{ Hz}
 \end{aligned}$$



4 Röhren in Graetz-Schaltung

$$\begin{aligned}
 U_{\text{Tr eff}} &= 2250 \text{ V} \\
 R_f^{1)} &= 400 \ \Omega \\
 C_L &= 4 \ \mu\text{F} \\
 f &= 50 \text{ Hz}
 \end{aligned}$$

1) je Röhrenpaar.

2) je Röhre.

