

|              |       |     |    |
|--------------|-------|-----|----|
| Heizspannung | $U_f$ | 19  | V  |
| Heizstrom    | $I_f$ | 100 | mA |

**Meßwerte:**

|                      |              |     |       |           |
|----------------------|--------------|-----|-------|-----------|
| Anodenspannung       | $U_a$        | 170 | 200   | V         |
| Bremsgitterspannung  | $U_{g3}$     | 0   | 0     | V         |
| Schirmgitterspannung | $U_{g2}$     | 170 | 200   | V         |
| Gittervorspannung    | $U_{g1}$     | -2  | -2,55 | V         |
| Anodenstrom          | $I_a$        | 10  | 10    | mA        |
| Schirmgitterstrom    | $I_{g2}$     | 2,5 | 2,6   | mA        |
| Steilheit            | $S$          | 7,4 | 7,1   | mA/V      |
| Innenwiderstand      | $R_i$        | 0,5 | 0,55  | $M\Omega$ |
| Verstärkungsfaktor   | $\mu_{g2g1}$ | 50  | 50    |           |

**Betriebswerte:** (siehe Kurven)

|  |           |    |     |           |
|--|-----------|----|-----|-----------|
| Äquivalenter Rauschwiderstand                                    | $r_{aeq}$ | 1  | 1,1 | $k\Omega$ |
| Eingangswiderstand bei 50 MHz<br>(Stift 1 mit Stift 3 verbunden) | $r_e$     | 10 | 12  | $k\Omega$ |

**Grenzwerte:**

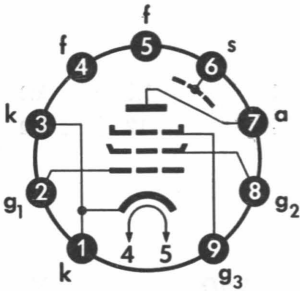
|   |                       |      |           |
|---|-----------------------|------|-----------|
| Anodenkaltspannung  | $U_{a0}$              | 550  | V         |
| Anodenspannung  | $U_a$                 | 300  | V         |
| Anodenbelastung   | $N_a$                 | 2,5  | W         |
| Schirmgitterkaltspannung  | $U_{g20}$             | 550  | V         |
| Schirmgitterspannung  | $U_{g2}$              | 300  | V         |
| Schirmgitterbelastung   | $N_{g2}$              | 0,7  | W         |
| Kathodenstrom   | $I_k$                 | 15   | mA        |
| Gitterableitwiderstand bei auto-<br>matischer Gittervorspannung | $R_{g1}$              | 1    | $M\Omega$ |
| Gitterableitwiderstand<br>bei fester Gittervorspannung          | $R_{g1 \text{ fest}}$ | 0,5  | $M\Omega$ |
| Gitterstromesatzpunkt<br>( $I_{g1} \leq +0,3 \mu A$ )           | $U_{g1e}$             | -1,3 | V         |
| Spannung<br>zwischen Faden und Schicht                          | $U_{fk}$              | 150  | V         |
| Außenwiderstand<br>zwischen Faden und Schicht                   | $R_{fk}$              | 20   | $k\Omega$ |



**Kapazitäten:**

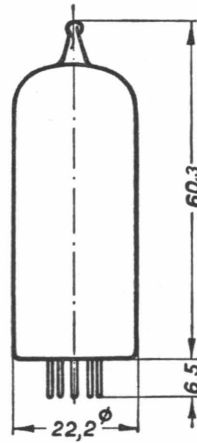
|            |         |    |
|------------|---------|----|
| $C_e$      | 7,5     | pF |
| $C_a$      | 3,3     | pF |
| $C_{g1a}$  | < 0,007 | pF |
| $C_{ak}$   | < 0,012 | pF |
| $C_{g2}$   | 5,4     | pF |
| $C_{g1g2}$ | 2,6     | pF |
| $C_{gf}$   | < 0,15  | pF |

Sockelschaltbild



Pico 9 (Noval)

max. Abmessungen



Gewicht: max. 20 g

Wenn notwendig, muß gegen Herausfallen der Röhre aus der Fassung Vorsorge getroffen werden.



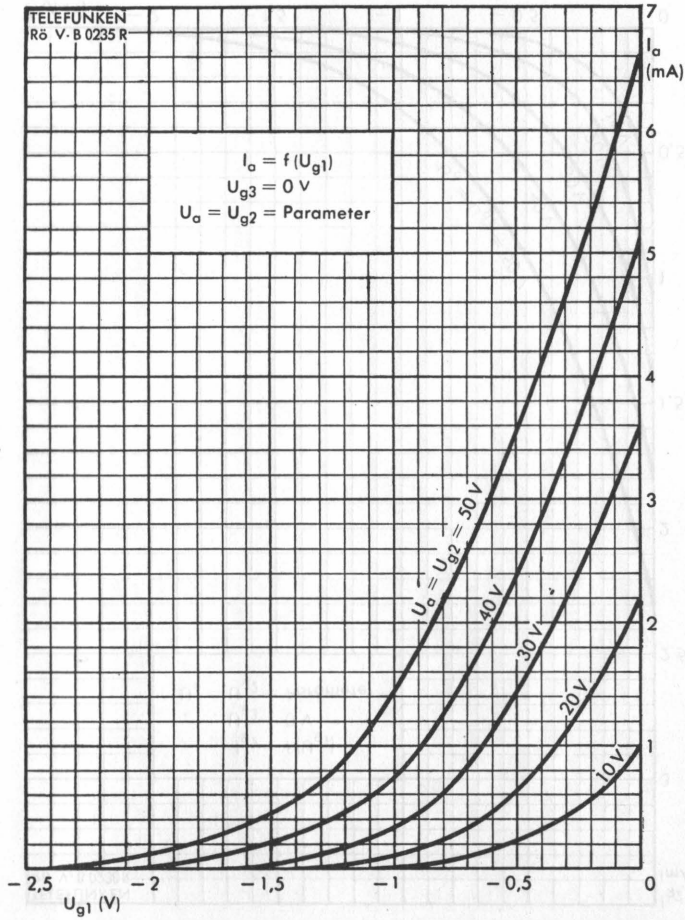


TELEFUNKEN  
R6 V-B 0235 R

$$I_a = f(U_{g1})$$

$$U_{g3} = 0 \text{ V}$$

$$U_a = U_{g2} = \text{Parameter}$$

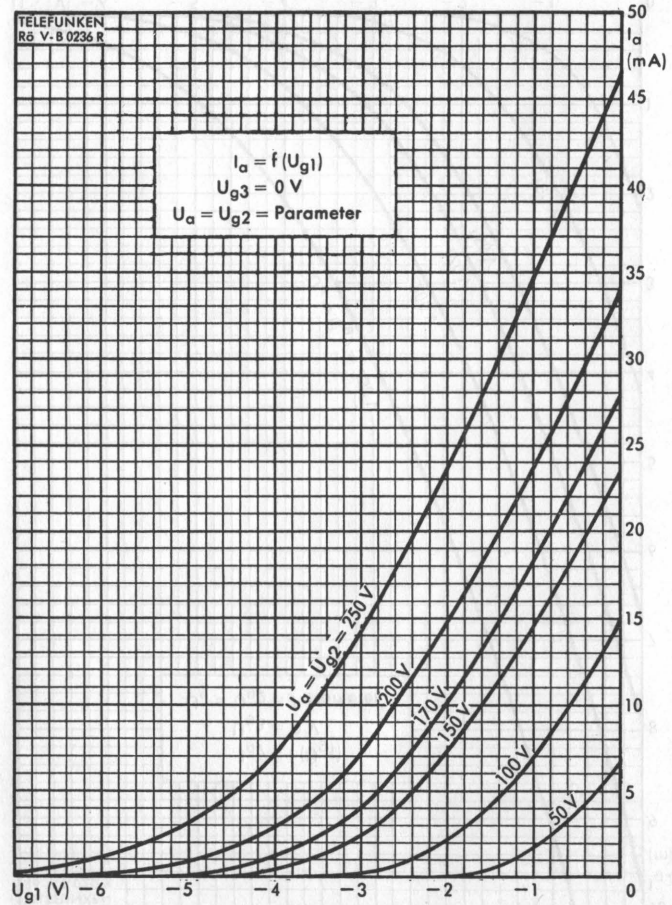


TELEFUNKEN  
R6 V-B 0236 R

$$I_a = f(U_{g1})$$

$$U_{g3} = 0 \text{ V}$$

$$U_a = U_{g2} = \text{Parameter}$$



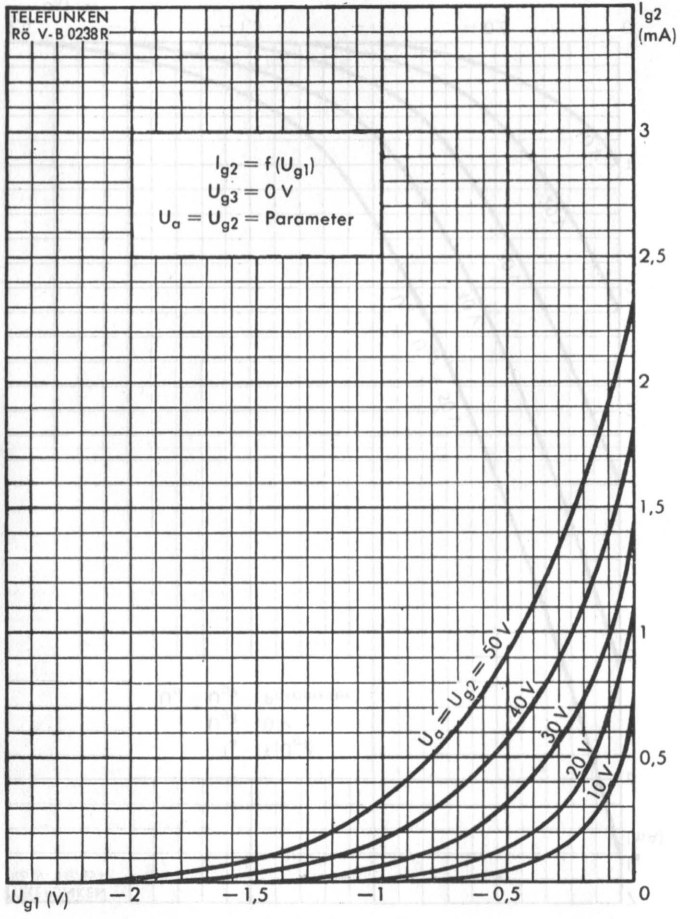
TELEFUNKEN

UF 80



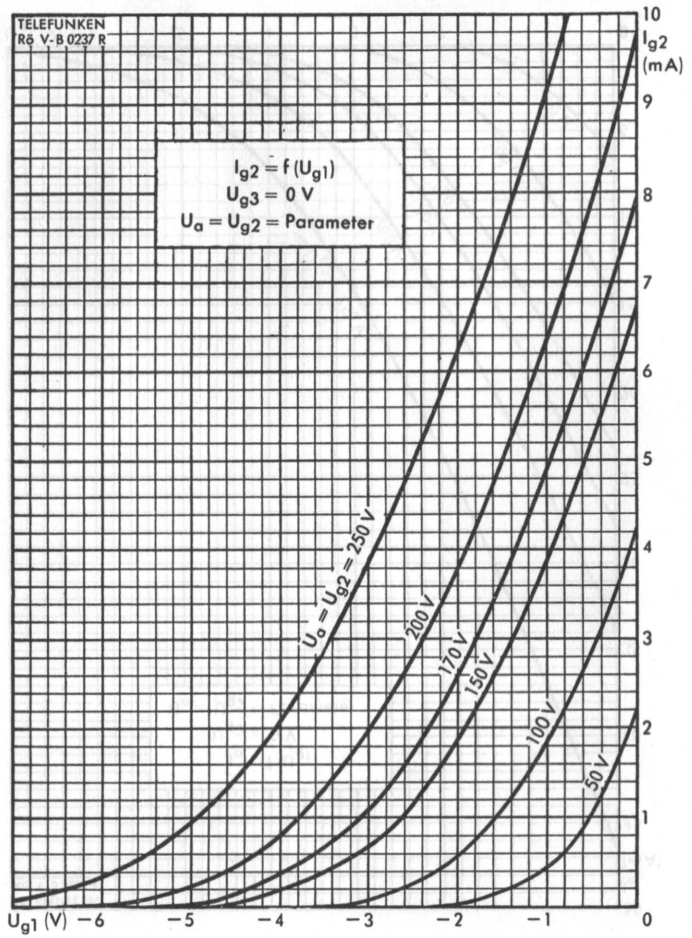
TELEFUNKEN  
R6 V-B 0238 R

$I_{g2} = f(U_{g1})$   
 $U_{g3} = 0 \text{ V}$   
 $U_a = U_{g2} = \text{Parameter}$



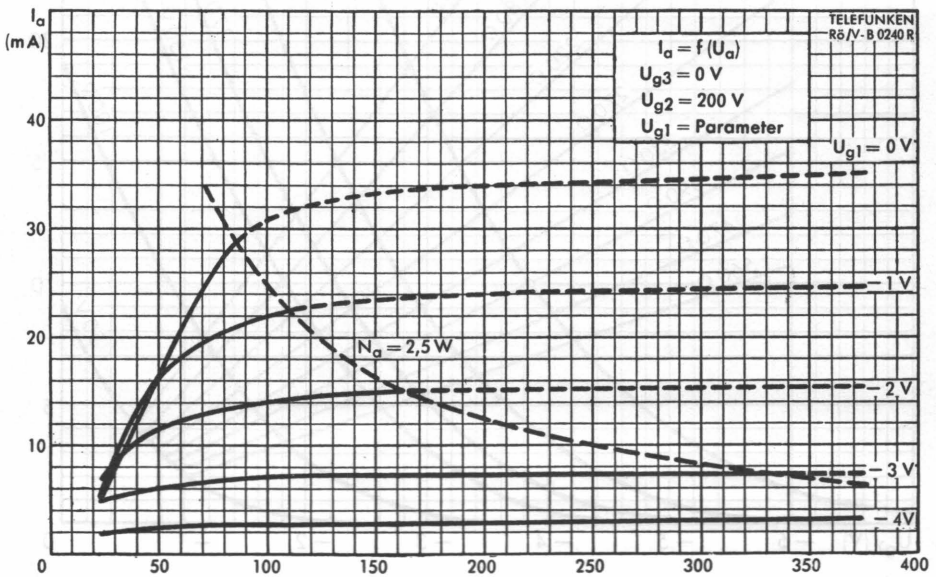
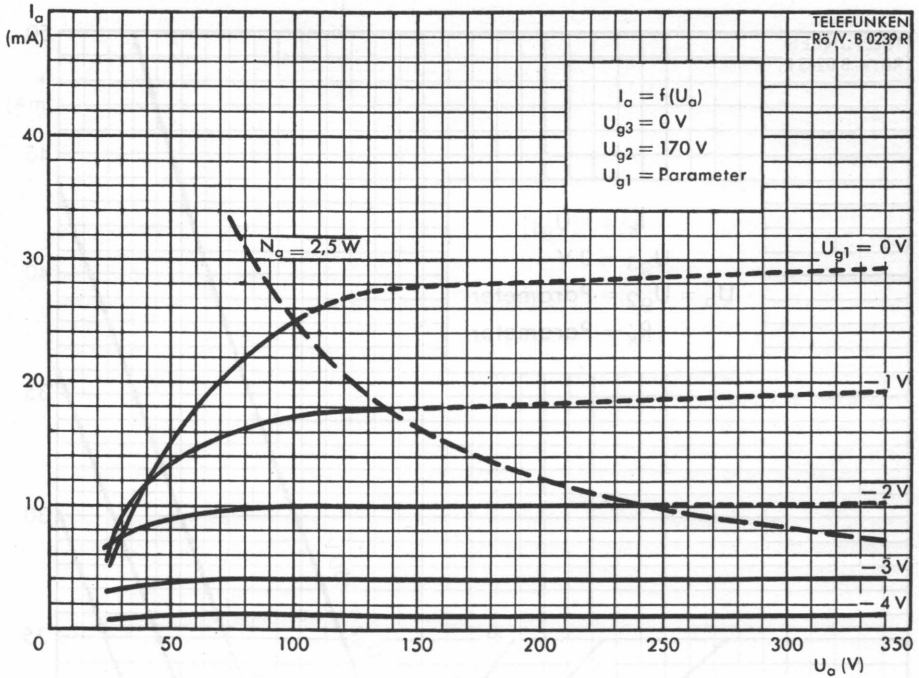
TELEFUNKEN  
R6 V-B 0237 R

$I_{g2} = f(U_{g1})$   
 $U_{g3} = 0 \text{ V}$   
 $U_a = U_{g2} = \text{Parameter}$



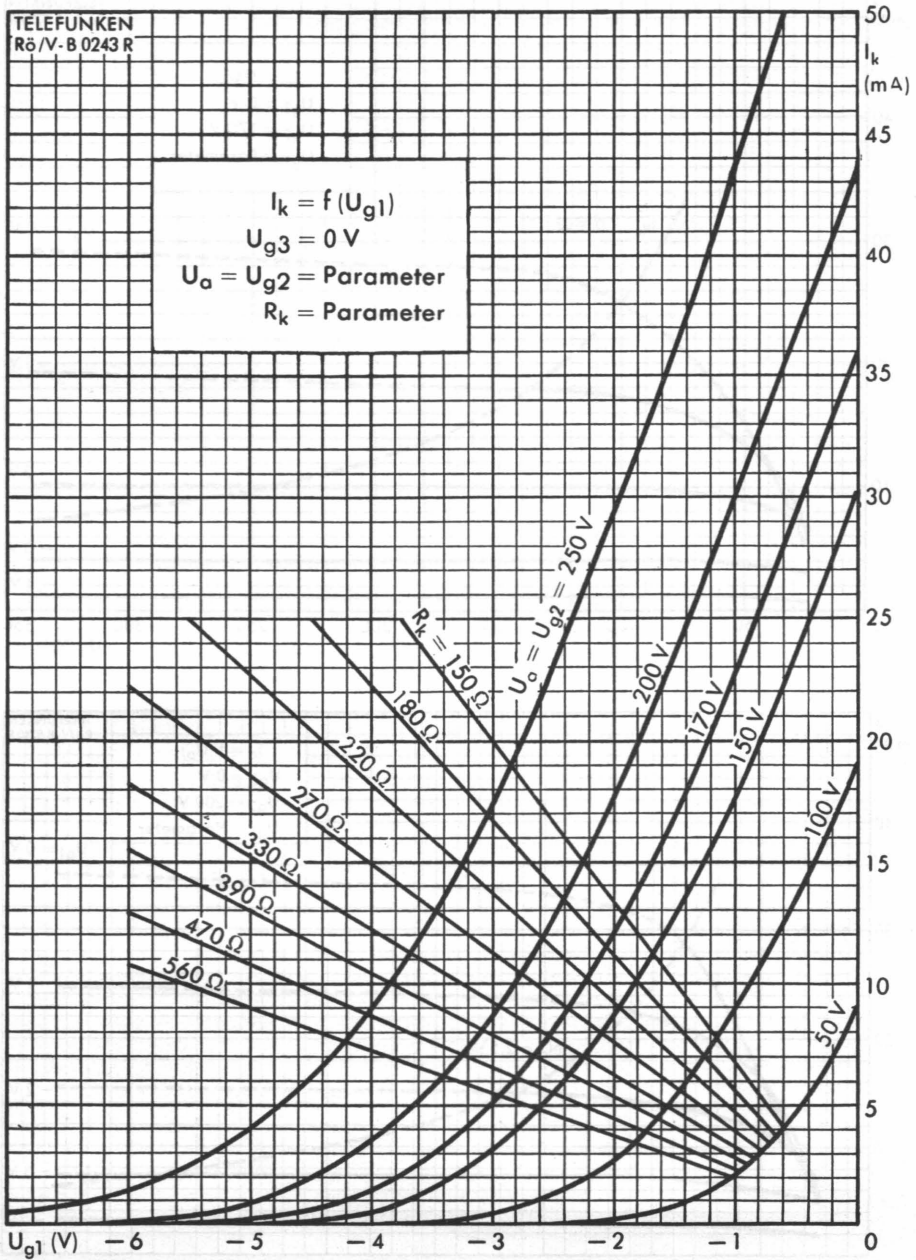
UF 80

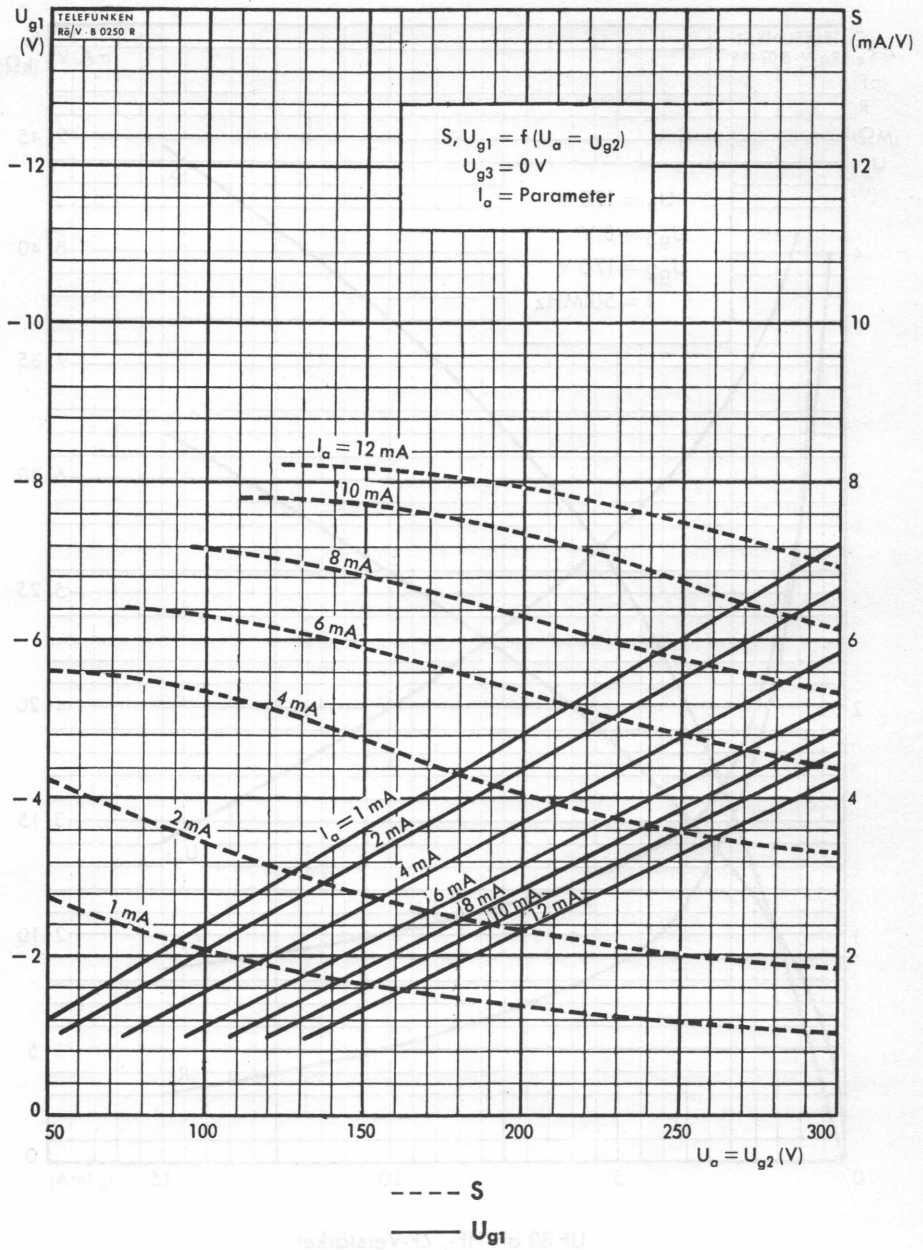
TELEFUNKEN

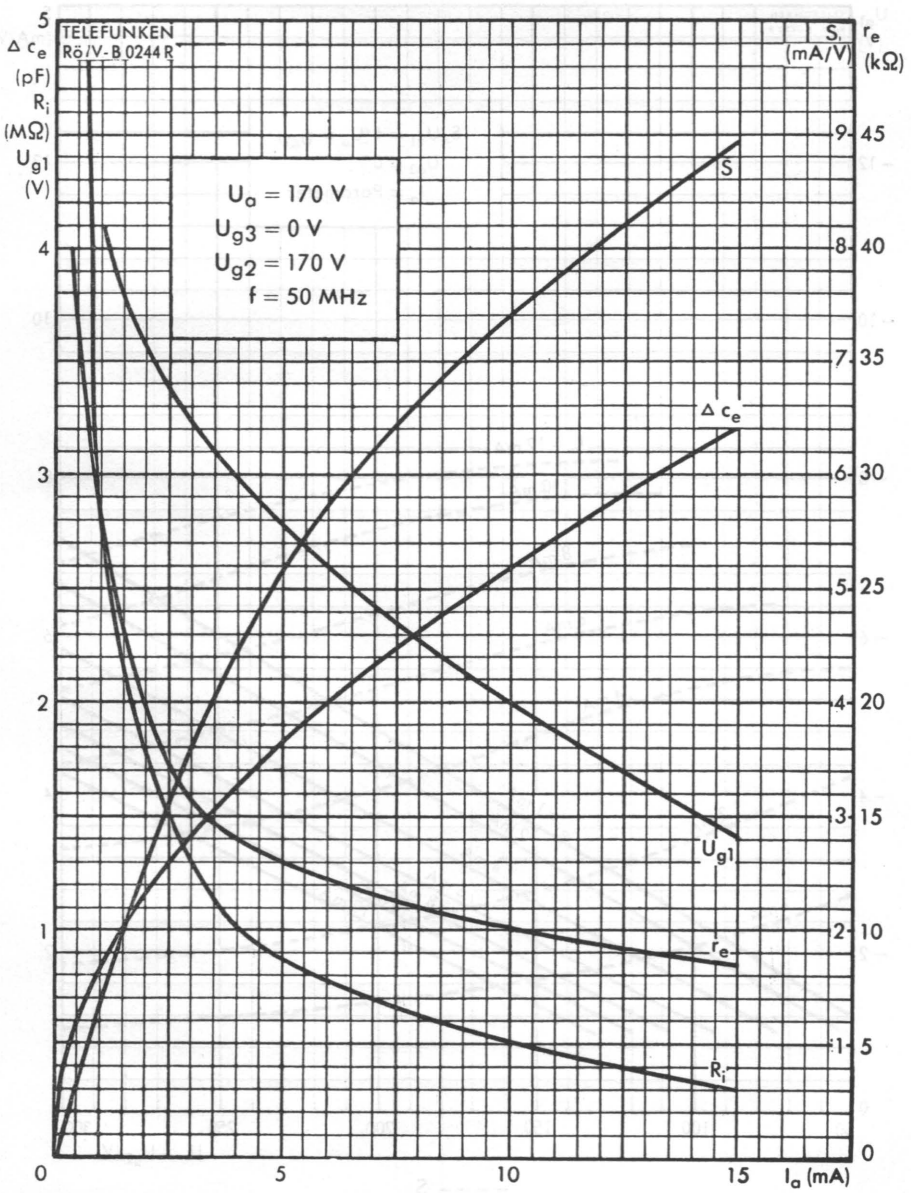


TELEFUNKEN  
Rö/V-B 0243 R

$I_k = f(U_{g1})$   
 $U_{g3} = 0 \text{ V}$   
 $U_a = U_{g2} = \text{Parameter}$   
 $R_k = \text{Parameter}$



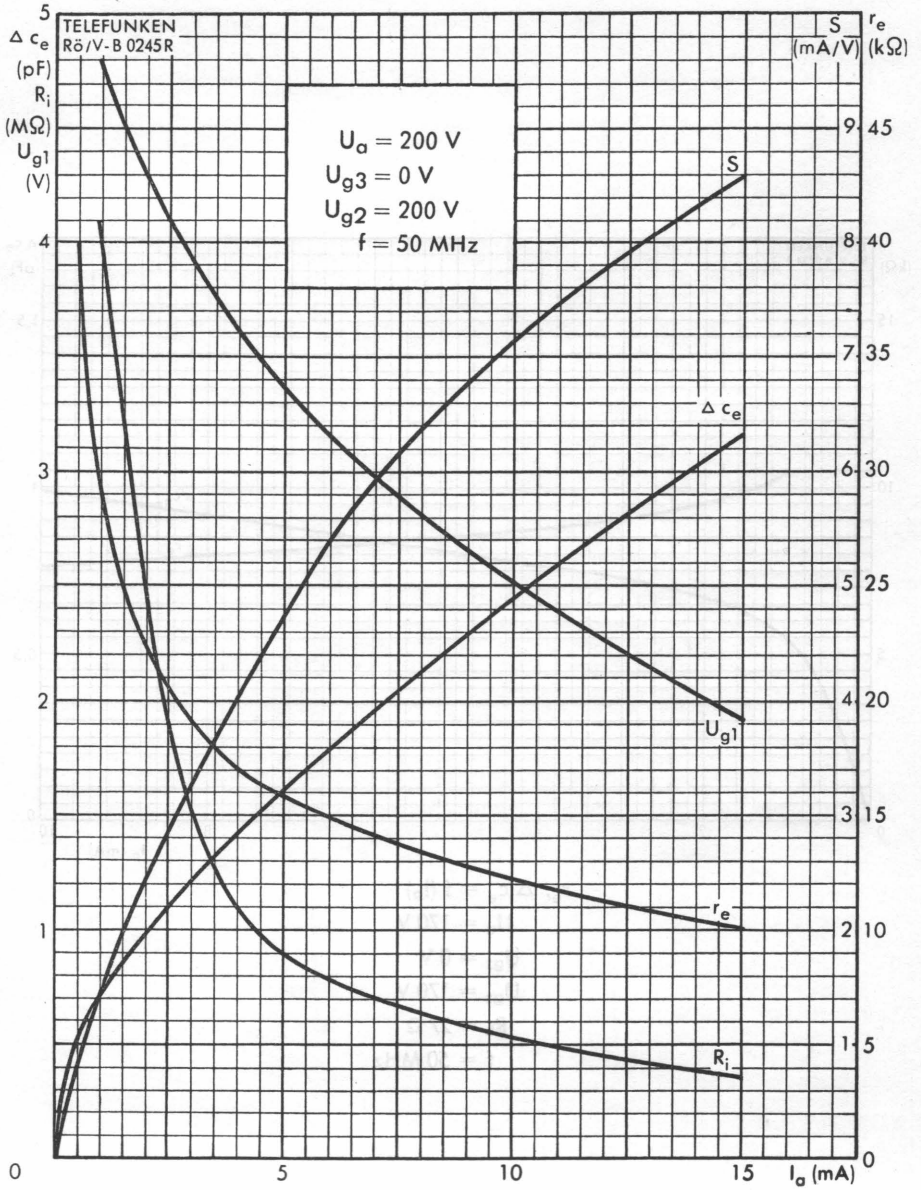




UF 80 als HF-, ZF-Verstärker

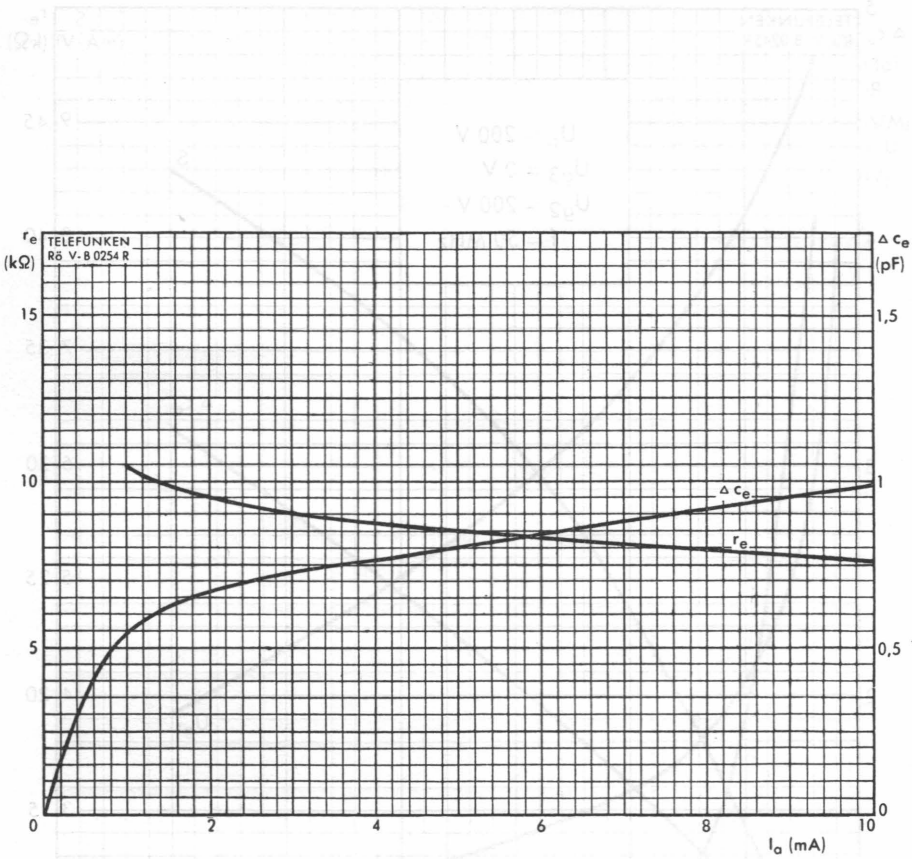






UF 80 als HF-, ZF-Verstärker



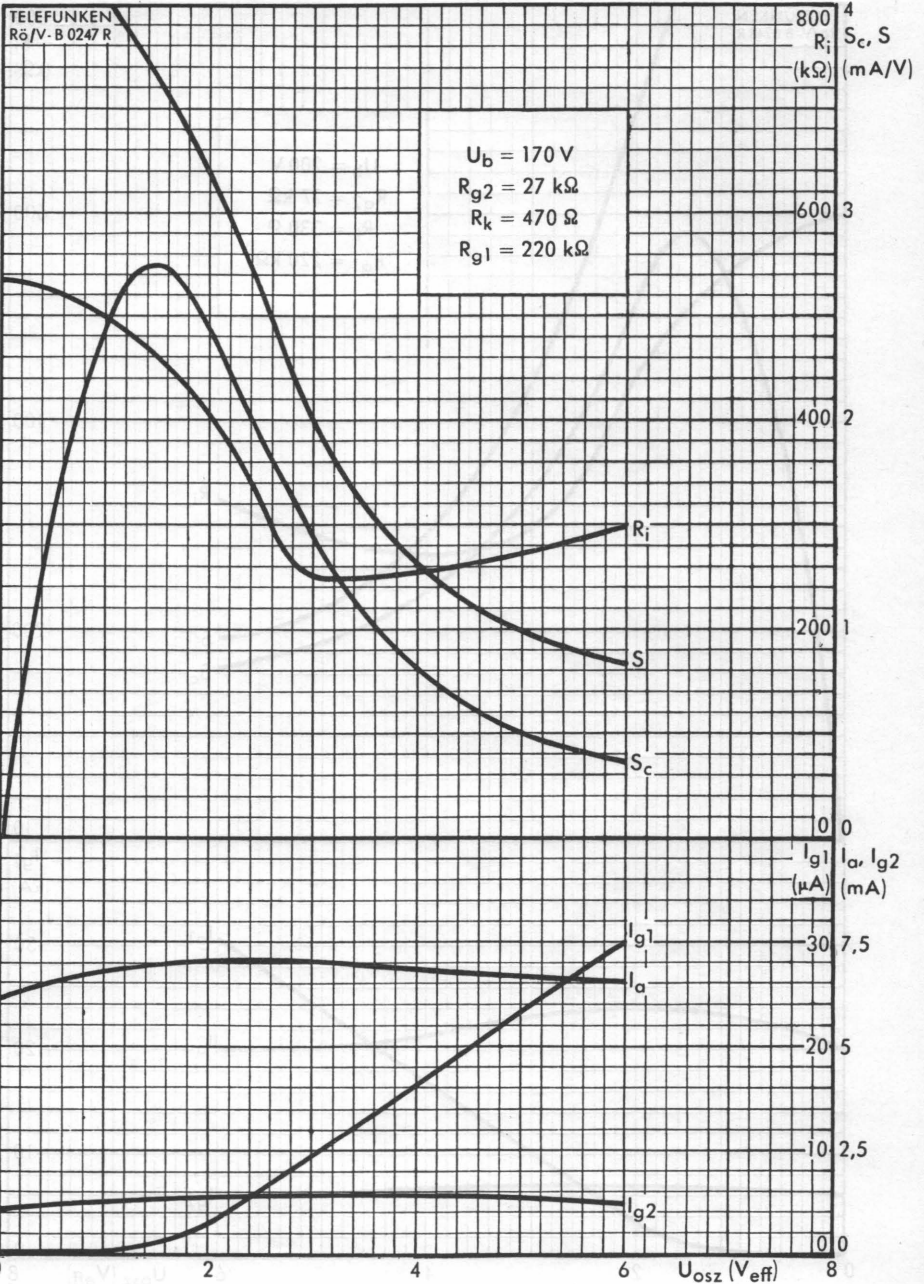


$r_e, \Delta c_e = f(I_a)$   
 $U_a = 170 \text{ V}$   
 $U_{g3} = 0 \text{ V}$   
 $U_{g2} = 170 \text{ V}$   
 $R_k = 27 \Omega$   
 $f = 50 \text{ MHz}$



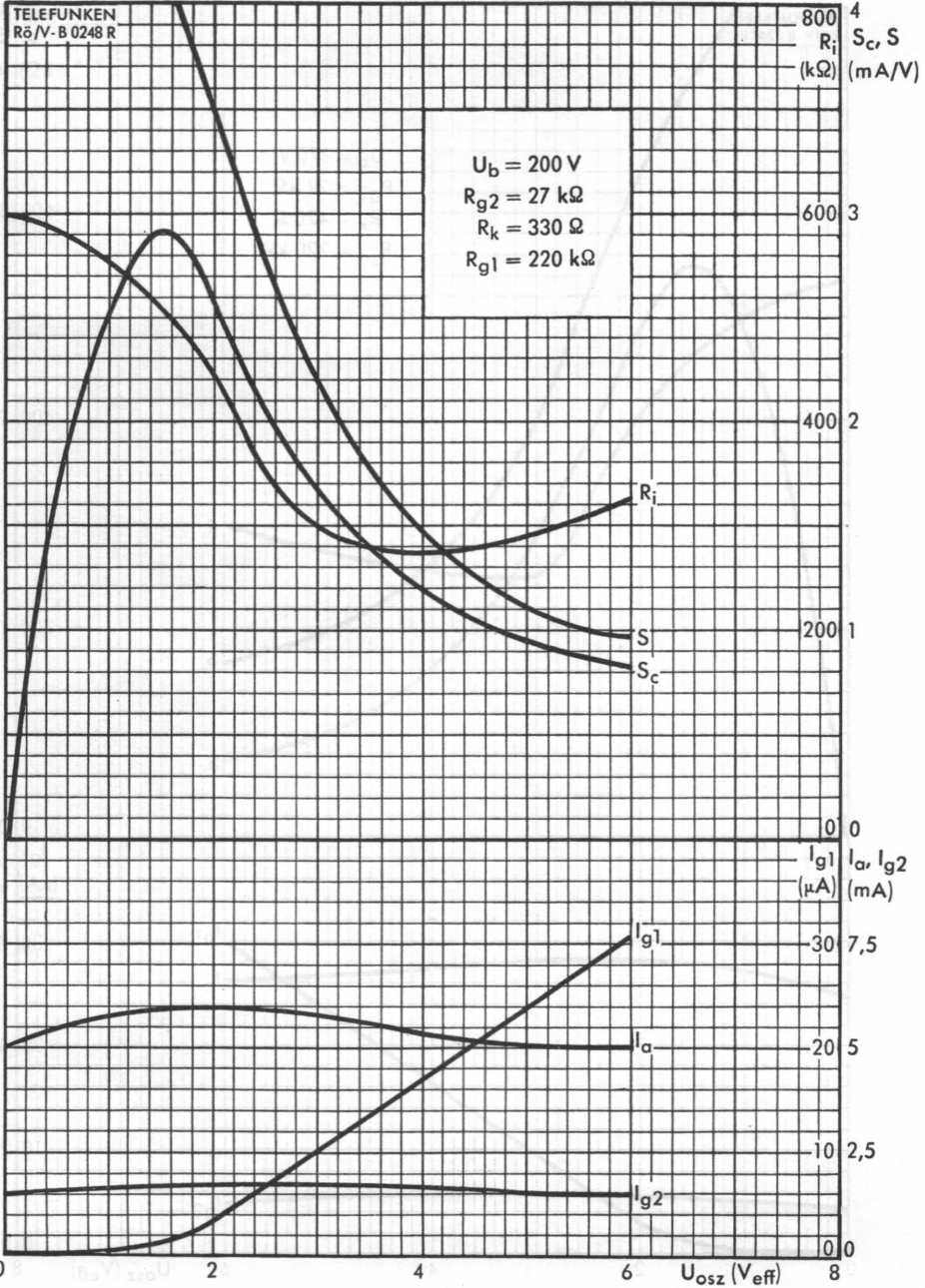
# TELEFUNKEN

**UF 80**



UF 80 als selbstschwingende Mischstufe

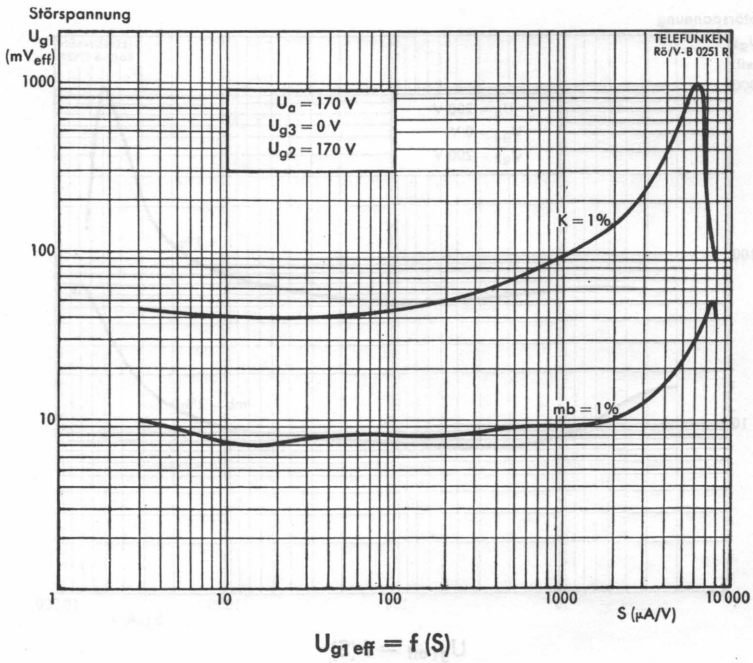




UF 80 als selbstschwingende Mischstufe



## Kurven für Kreuz- und Brumm-Modulation



## Kurven für Kreuz- und Brumm-Modulation

