

$U_f$  6,3 V  
 $I_f$  300 mA

**Meßwerte:**

**Pentode**

|              |     |      |      |      |     |      |
|--------------|-----|------|------|------|-----|------|
| $U_a$        | 100 | 170  | 200  | 250  | 250 | V    |
| $U_{g3}$     | 0   | 0    | 0    | 0    | 0   | V    |
| $U_{g2}$     | 100 | 100  | 100  | 80   | 100 | V    |
| $U_{g1}$     | -2  | -1*) | -1,5 | -1*) | -2  | V    |
| $I_a$        | 8,5 | 12   | 11   | 9    | 9   | mA   |
| $I_{g2}$     | 2,8 | 4    | 3,3  | 2,7  | 2,7 | mA   |
| S            | 3,5 | 5    | 4,5  | 4,5  | 3,8 | mA/V |
| $R_i$        | 0,3 | 0,4  | 0,6  | 0,9  | 1   | MΩ   |
| $\mu_{g2g1}$ | 20  | 20   | 20   | 20   | 20  |      |

\*) Bei dieser Einstellung kann Dämpfung durch den Widerstand der Gitter-Kathoden-Strecke auftreten. Ist das unzulässig, so muß eine Einstellung mit  $U_{g1} = -1,5$  V gewählt werden.

**Betriebswerte:** als HF- oder ZF-Verstärker

**Pentode**

|             |          |          |         |         |      |
|-------------|----------|----------|---------|---------|------|
| $U_a = U_b$ | 100      | 200      | 250     | 250     | V    |
| $U_{g3}$    | 0        | 0        | 0       | 0       | V    |
| $R_{g2}$    | 0        | 30       | 56      | 62      | kΩ   |
| $U_{g1}$    | -2 -10   | -1,5 -20 | -2 -20  | -1 -20  | V    |
| $I_a$       | 8,5 —    | 11 —     | 9 —     | 9 —     | mA   |
| $I_{g2}$    | 2,8 —    | 3,3 —    | 2,7 —   | 2,7 —   | mA   |
| S           | 3,5 0,11 | 4,5 0,12 | 3,8 0,2 | 4,5 0,2 | mA/V |
| $R_i$       | 0,3 —    | 0,6 —    | 1 —     | 0,9 —   | MΩ   |

**Grenzwerte:**

**Pentode**

|           |      |    |  |      |    |
|-----------|------|----|--|------|----|
| $U_{a0}$  | 550  | V  | $R_{g1}$ *)                            | 22   | MΩ |
| $U_a$     | 300  | V  | $R_{g3}$                               | 10   | kΩ |
| $N_a$     | 2,25 | W  | $U_{g1e}$ ( $I_{g1} \leq +0,3 \mu A$ ) | -1,3 | V  |
| $U_{g20}$ | 550  | V  | $U_{fk}$                               | 100  | V  |
| $U_{g2}$  | 300  | V  | $R_{fk}$                               | 20   | kΩ |
| $N_{g2}$  | 0,45 | W  | <b>Diode</b> je System                 |      |    |
| $I_k$     | 16,5 | mA | $U_{dsp}$                              | 200  | V  |
| $R_{g1}$  | 3    | MΩ | $I_d$                                  | 0,8  | mA |
|           |      |    | $U_{de}$ ( $I_d \leq +0,3 \mu A$ )     | -1,3 | V  |

\*)  $U_{g1}$  nur durch  $R_{g1}$  erzeugt.



**Kapazitäten:**

**Pentode**

|           |          |    |
|-----------|----------|----|
| $C_e$     | 5,0      | pF |
| $C_a$     | 5,2      | pF |
| $C_{g1a}$ | < 0,0025 | pF |
| $C_{g1f}$ | < 0,05   | pF |

**Dioden**

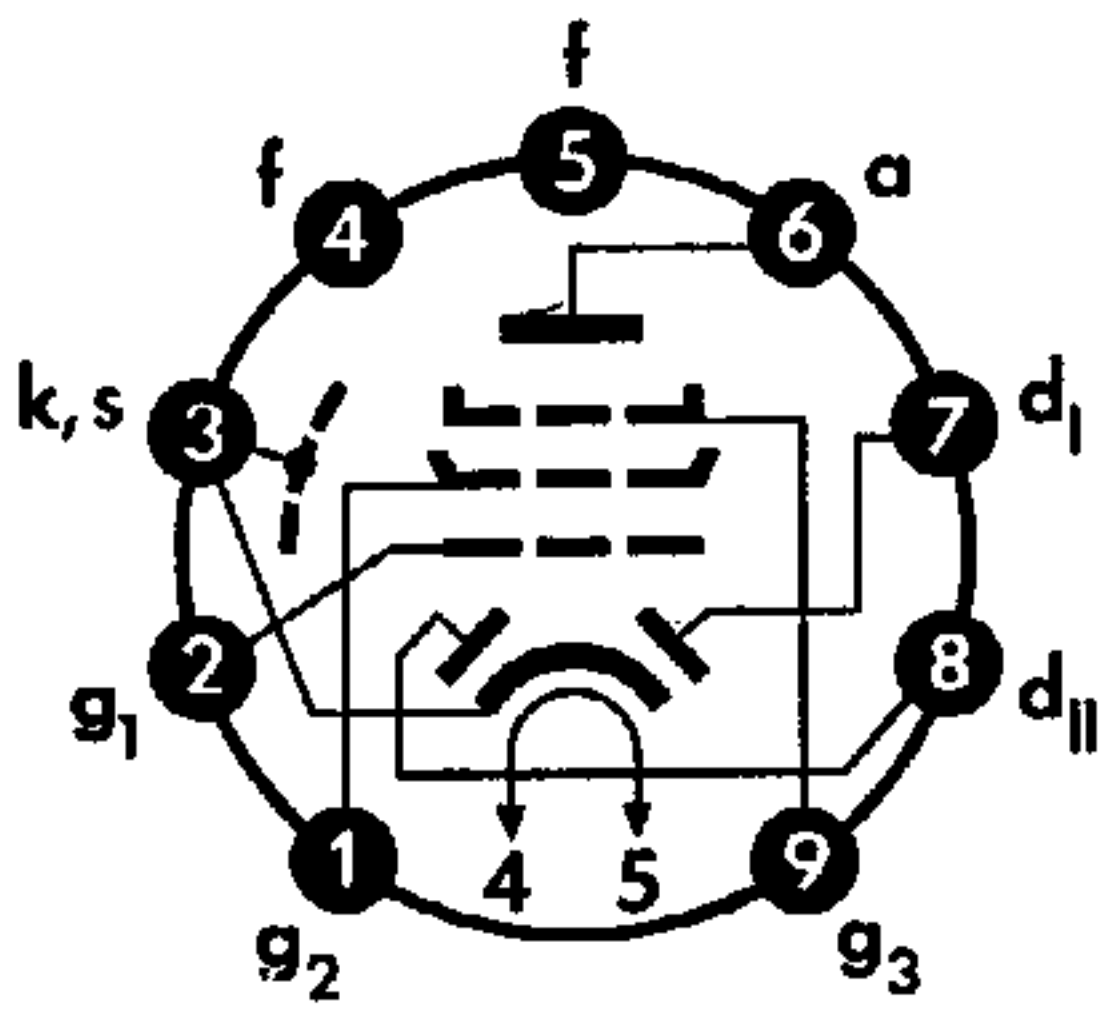
|            |     |    |
|------------|-----|----|
| $C_{d1k}$  | 2,5 | pF |
| $C_{d11k}$ | 2,5 | pF |

|             |         |    |
|-------------|---------|----|
| $C_{d1d11}$ | < 0,25  | pF |
| $C_{d1f}$   | < 0,015 | pF |
| $C_{d11f}$  | < 0,003 | pF |

**Pentode / Dioden**

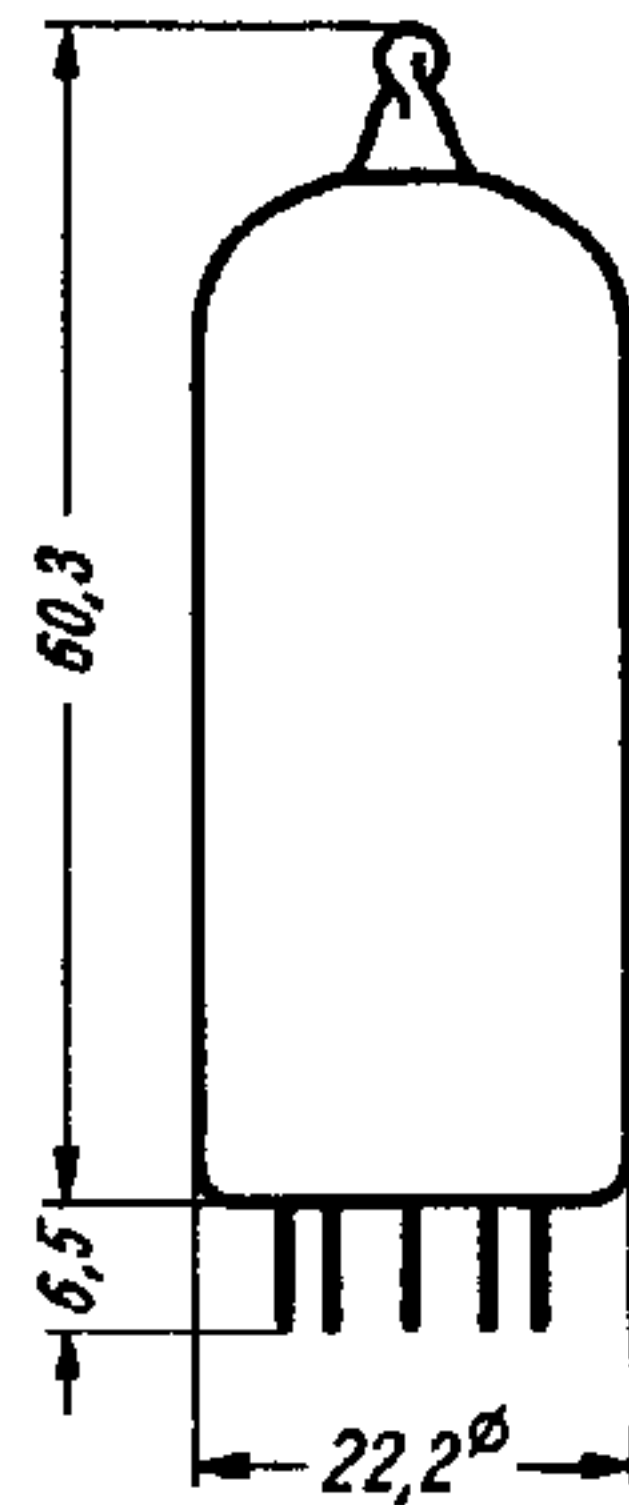
|             |          |    |
|-------------|----------|----|
| $C_{d1a}$   | < 0,15   | pF |
| $C_{d11a}$  | < 0,025  | pF |
| $C_{d1g1}$  | < 0,0008 | pF |
| $C_{d11g1}$ | < 0,001  | pF |

Sockelschaltbild



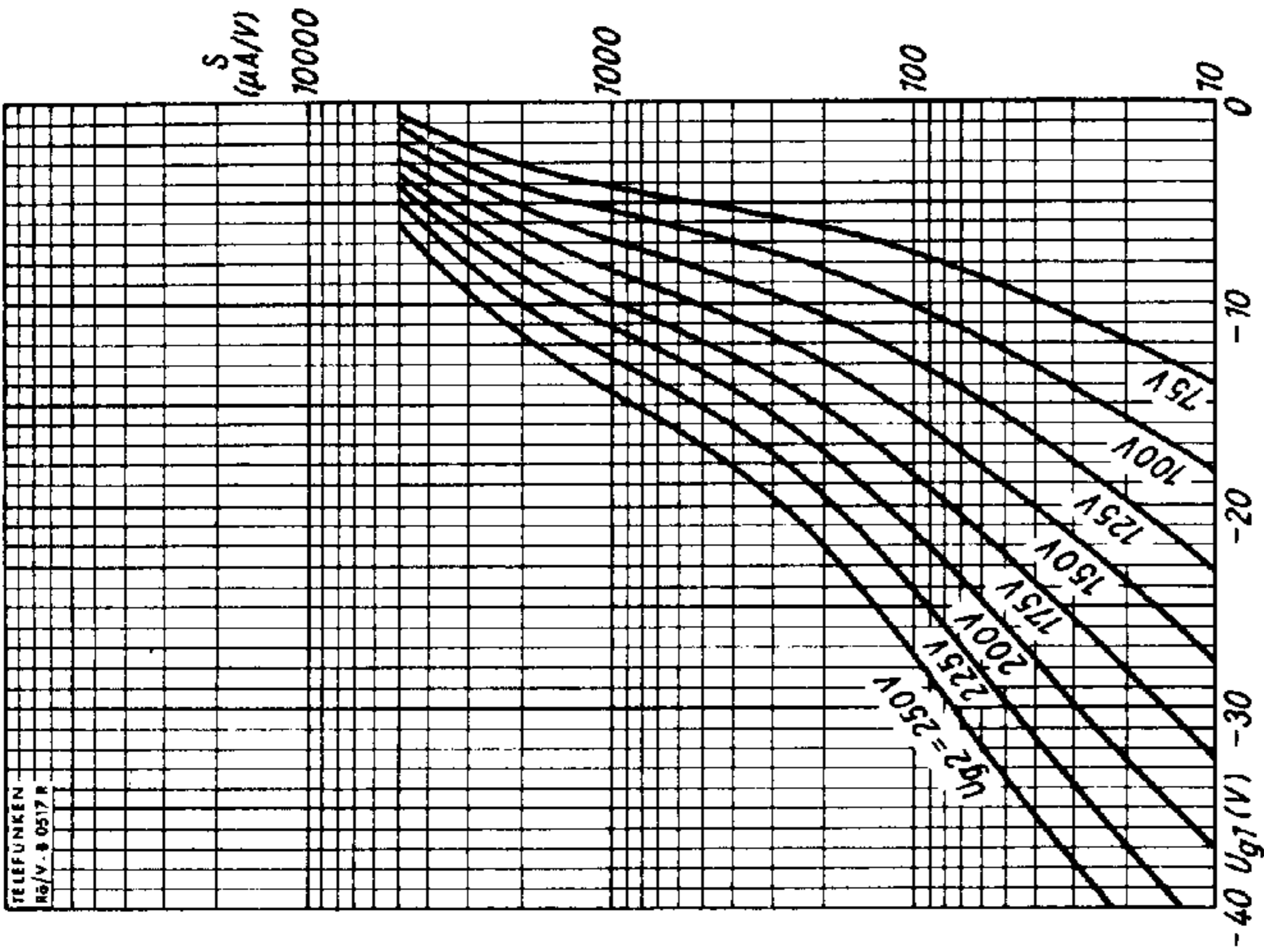
Pico 9 (Noval)

max. Abmessungen

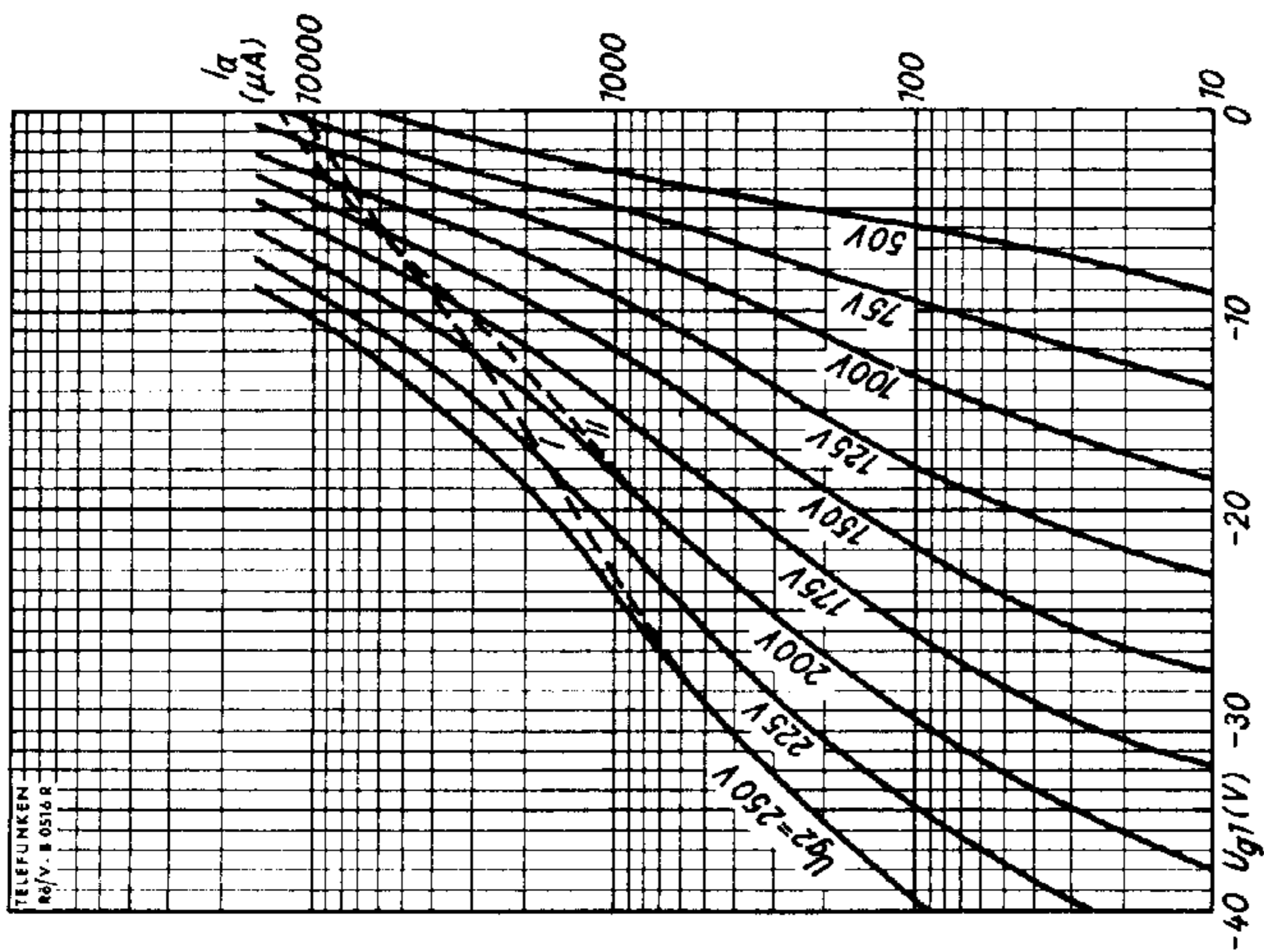


Gewicht: max. 18 g

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

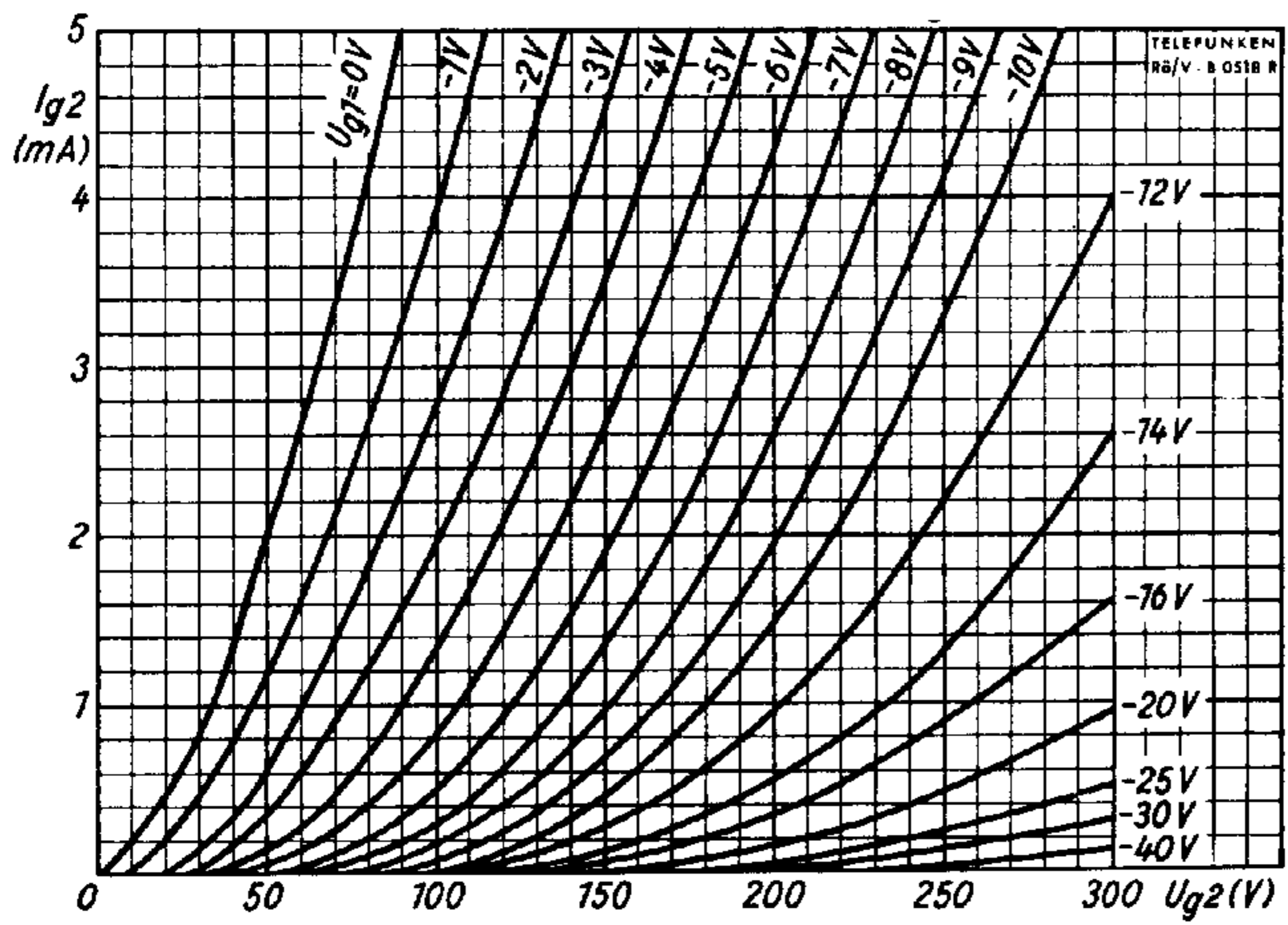


$S = f(U_{g1})$   
 $U_a = 250\text{ V}$   
 $U_{g3} = 0\text{ V}$   
 $U_{g2} = \text{Parameter}$

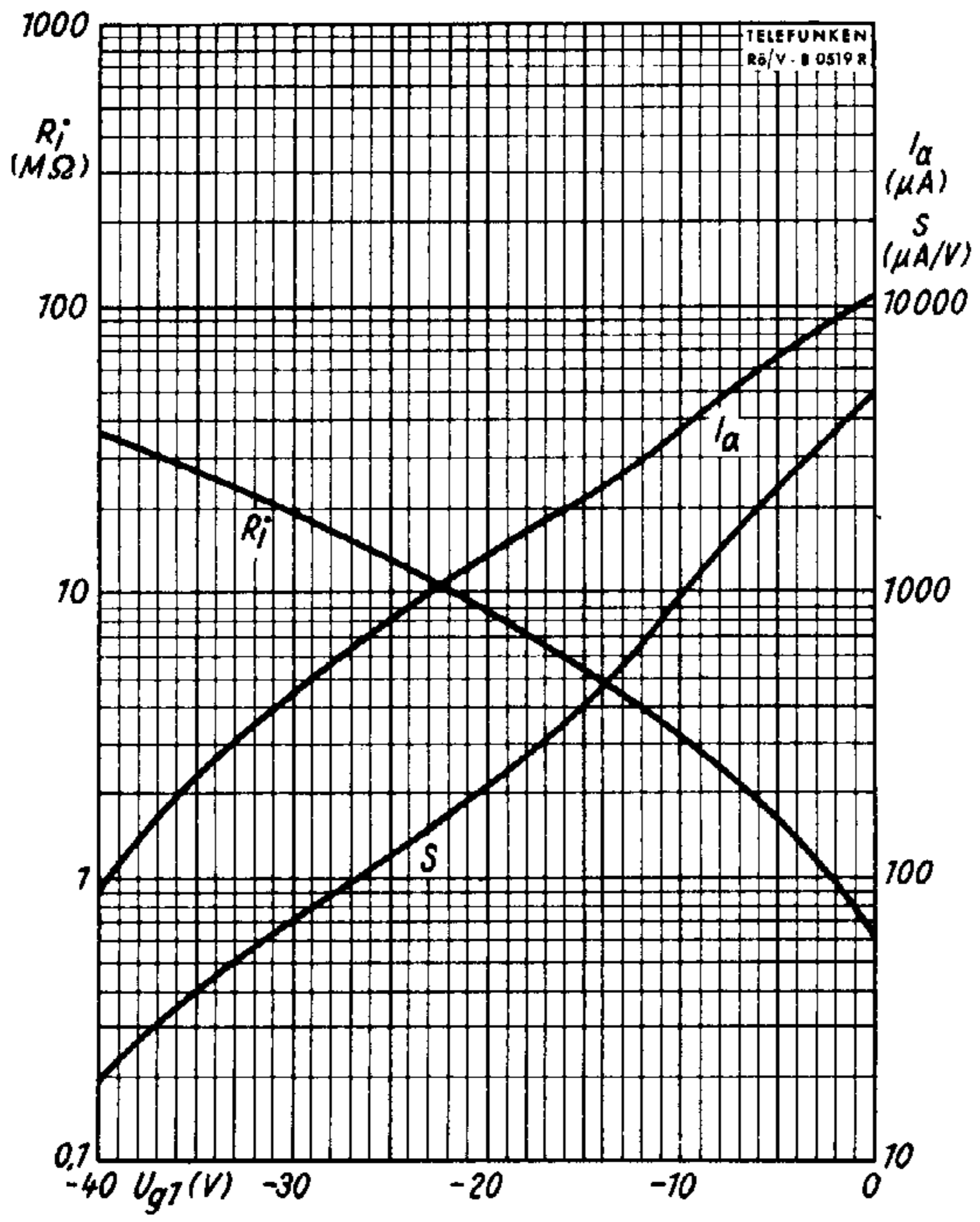


$I_a = f(U_{g1})$     I     $U_b = 250\text{ V}$   
 $U_a = 250\text{ V}$      $R_{g2} = 56\text{ k}\Omega$   
 $U_{g3} = 0\text{ V}$     II     $U_b = 200\text{ V}$   
 $U_{g2} = \text{Parameter}$      $R_{g2} = 30\text{ k}\Omega$





$I_{g2} = f(U_{g2})$   
 $U_a = 250 \text{ V}$   
 $U_{g3} = 0 \text{ V}$   
 $U_{g1} = \text{Parameter}$



$I_a, S, R_i = f(U_{g1})$   
 $U_b = 250 \text{ V}$   
 $U_{g3} = 0 \text{ V}$   
 $R_{g2} = 56 \text{ k}\Omega$

