

Netzröhre für GW-Heizung
Indirekt geheizt
Serienspeisung

DC-AC-heating
Indirectly heated
connected in series

TELEFUNKEN

PC 900

Regelbare VHF-Triode
Remoto cutoff VHF-triode

Vorläufige technische Daten · Tentative data

I_f 300 mA
 U_f ca. 4 V

Meßwerte · Measuring values

U_a		135		V
U_s		0		V
U_g	-1	-2,7	-5,7	V
I_a	11,5			mA
S	14,5	1,45	0,145	mA/V
μ	72			

Betriebswerte · Typical operation

Kathodenbasis – Eingangsverstärker
Cathode grounded input amplifier

U_{ba}	135	200	200	V
R_a	1	4,7	5,6	k Ω
U_s	0	0	0	V
R_k	0	0	87	Ω
I_g	10	10	—	μ A
I_a	17	17	11,5	mA
S	20	20	14,5	mA/V
μ	80	80	72	
$U_g \left(\frac{S}{10} \right)$	-2,4	-3,3	-3,8	V
$U_g \left(\frac{S}{100} \right)$	-5,3	-7,7	-8,5	V



Grenzwerte · Maximum ratings

U_{ao}	550	V
U_a	200	V
N_a	2,2	W
I_k	20	mA
U_g	-50	V
$U_{ge} (I_g \leq +0,3 \mu A)$	-1,3	V
$R_g^{1)}$	1	MΩ
$R_g^{2)}$	3	MΩ
$U_{f/k}$	±100	V
$R_{f/k}$	20	kΩ

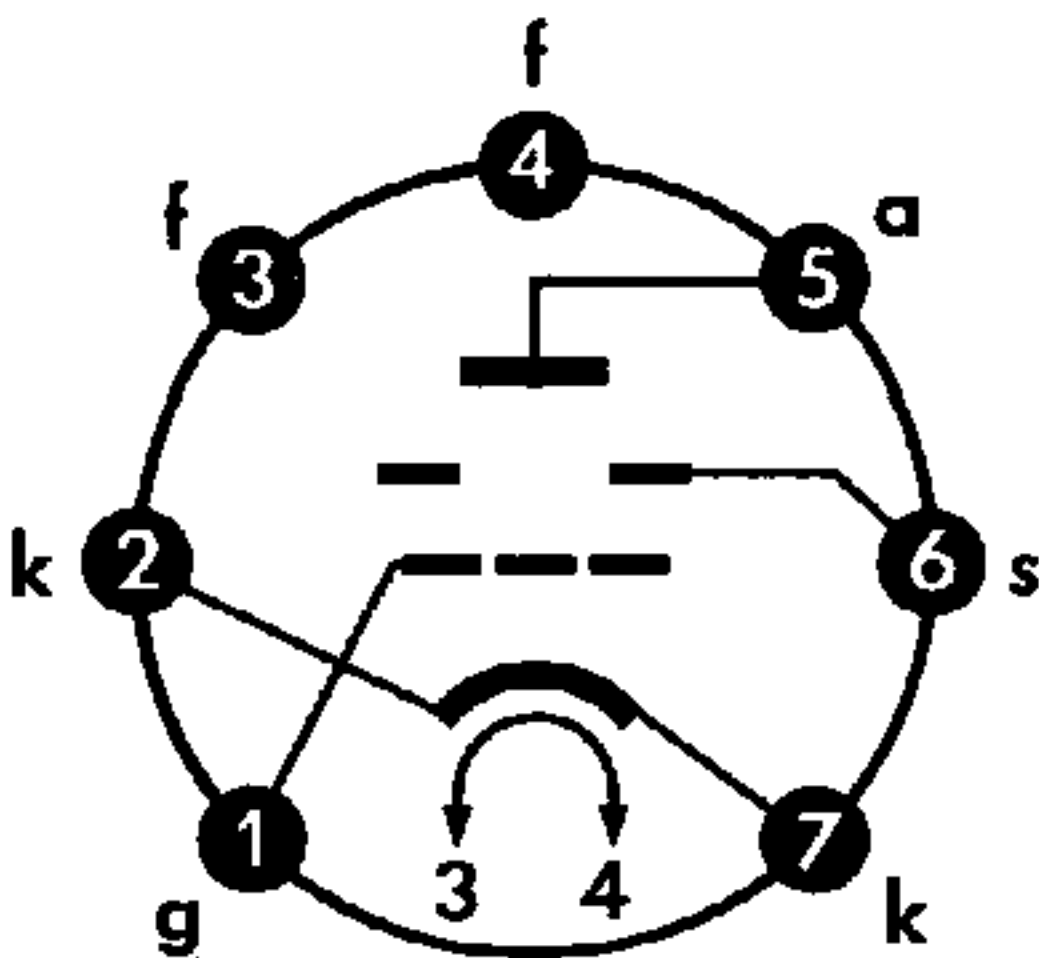
- 1) U_g fest · fixed grid bias
2) Bei Verwendung der Röhre in Regelschaltungen.
When tube is used in controlled circuits.

Kapazitäten · Capacitances

mit äußerer Abschirmung (S) an Kathode
Schirm 19,1 mm Innen-φ
with external screening (S) to cathode
shield 19.1 mm internal diameter

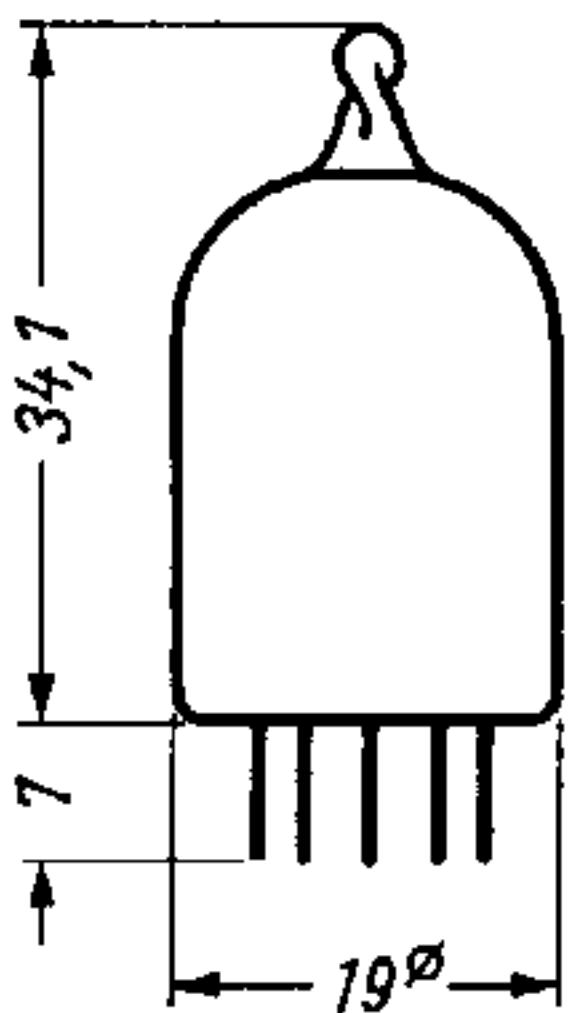
$C_{a/g}$	0,35	pF
$C_{g/k+f+s+S}$	4,6	pF
$C_{a/k+f+s+S}$	3	pF

Sockelschaltbild
Base connection



Pico 7 · Miniatur

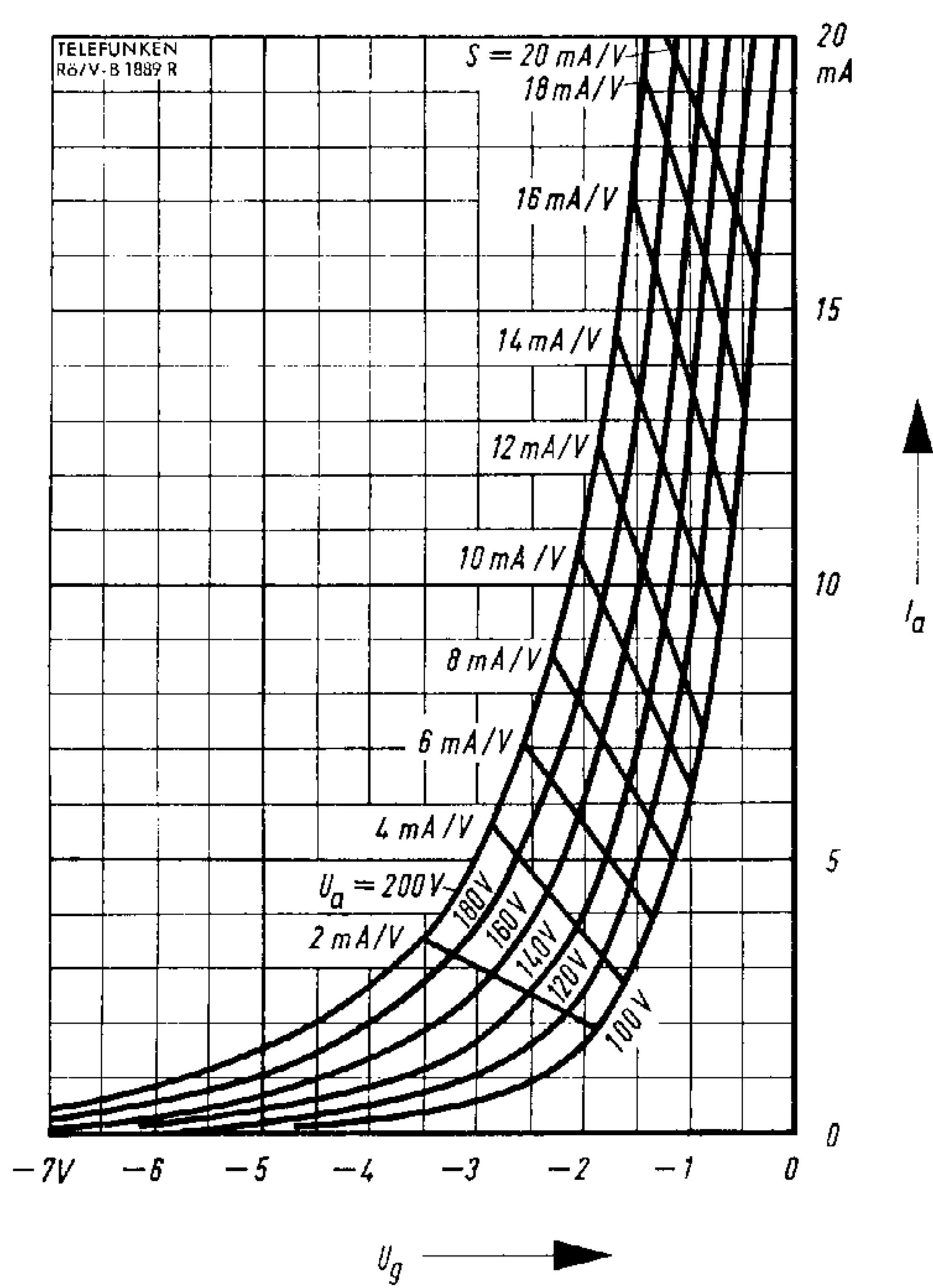
max. Abmessungen
max. dimensions



Gewicht · Weight
max. 8 g

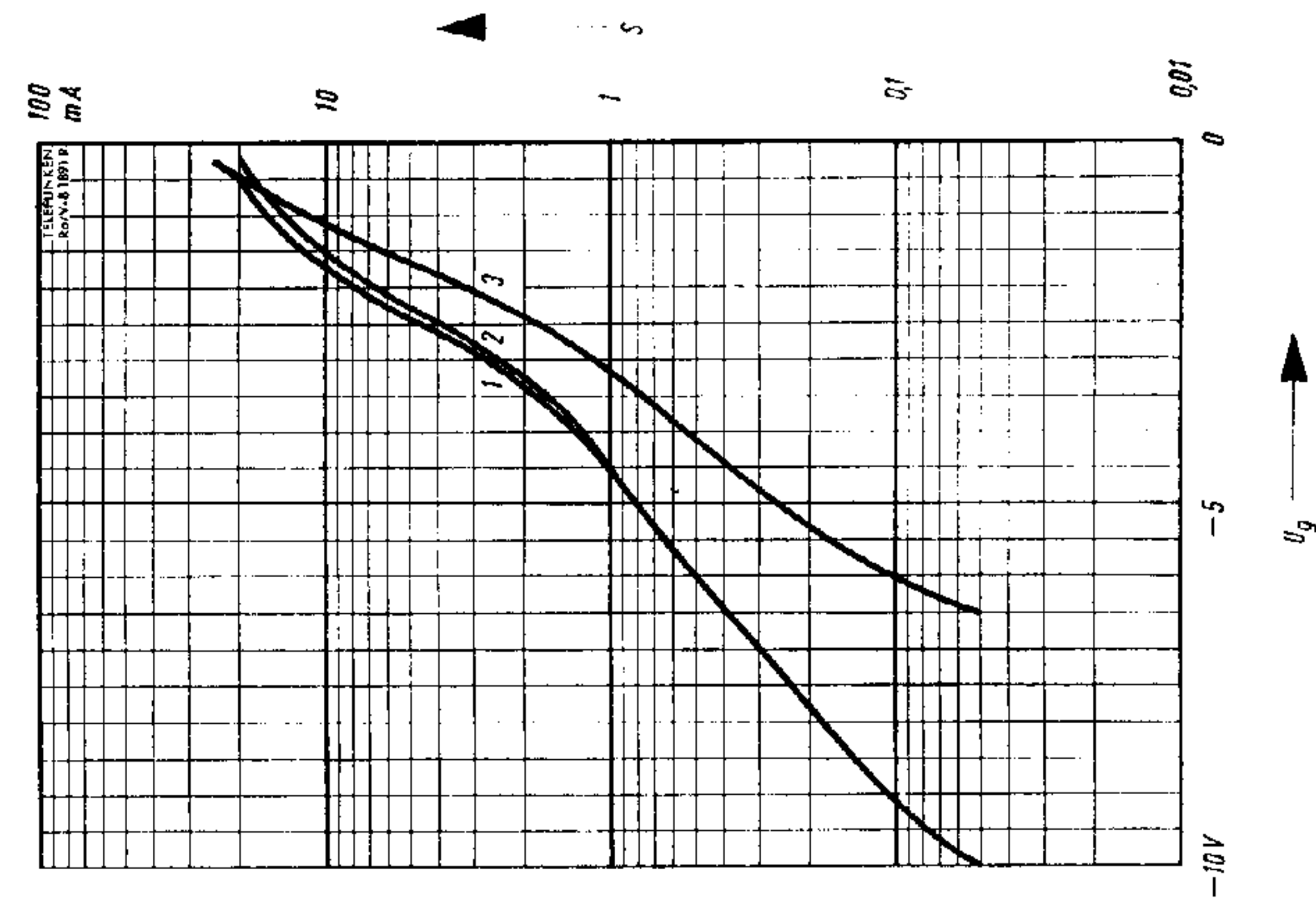
Wenn notwendig, muß gegen Herausfallen der Röhre aus der Fassung Vorsorge getroffen werden.
Special precautions must be taken to prevent the tube from becoming dislodged.





$I_a = f(U_g)$
 $U_s = 0 \text{ V}$
 $U_a = \text{Parameter}$
 $S = \text{Parameter}$

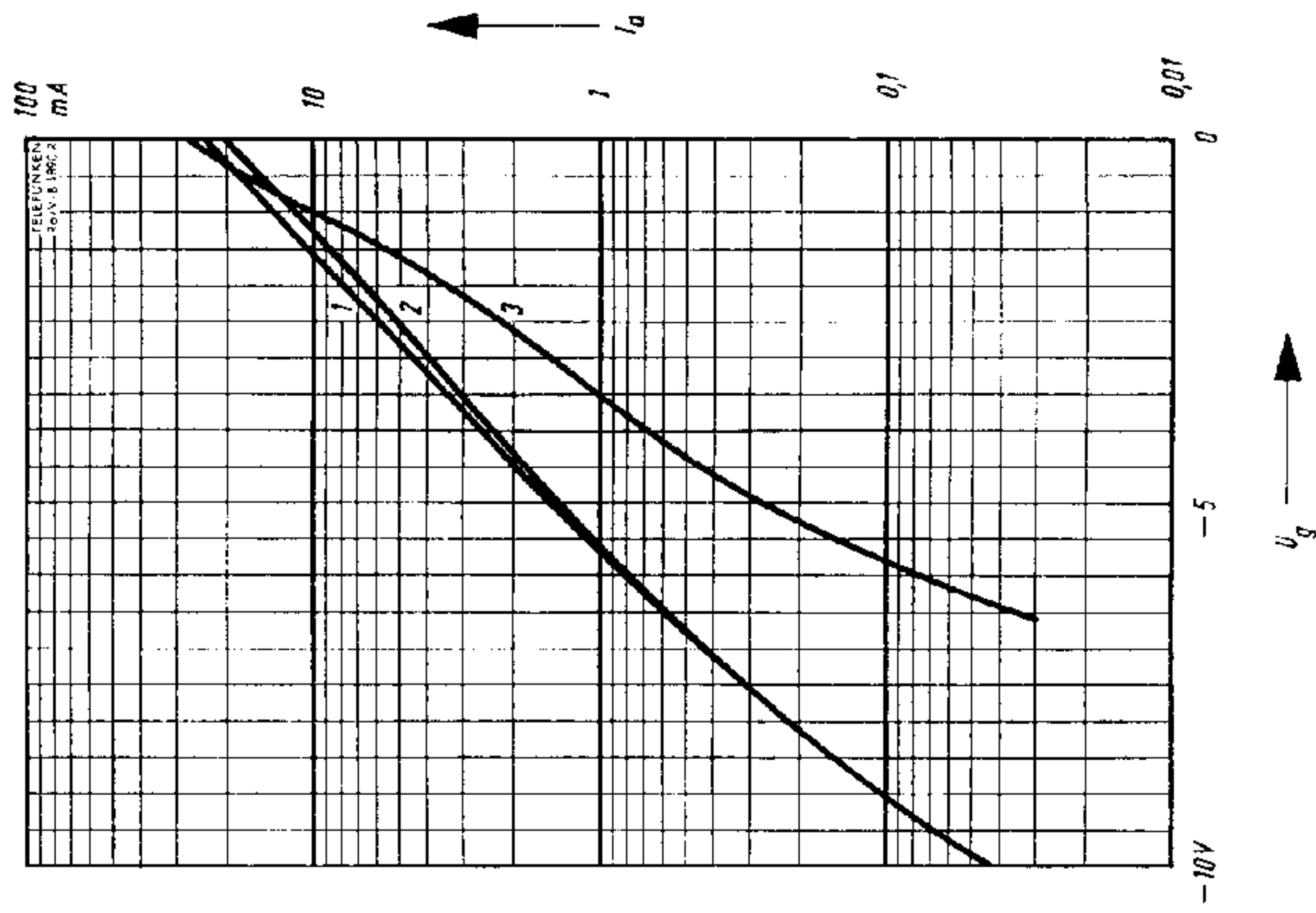




$$S = f(U_g)$$

$$U_s = 0 \text{ V}$$

1. $U_{ba} = 200 \text{ V}, R_a = 4.7 \text{ k}\Omega$
2. $U_{ba} = 200 \text{ V}, R_a = 5.6 \text{ k}\Omega$
3. $U_{ba} = 135 \text{ V}, R_a = 1 \text{ k}\Omega$



$$I_a = f(U_g)$$

$$U_s = 0 \text{ V}$$

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