

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	M Ω
$R_g^{2)}$	3	M Ω
$U_{f/k}$	± 100	V
$R_{f/k}$	20	k Ω

Kapazitäten · Capacitances

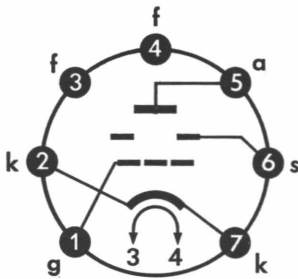
mit äußerer Abschirmung (S) an Kathode
Schirm 19,1 mm Innen- ϕ
with external screening (S) to cathode
shield 19.1 mm internal diameter

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

1) U_g fest · fixed grid bias

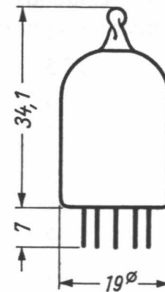
2) Bei Verwendung der Röhre in Regelschaltungen.
When tube is used in controlled circuits.

**Sockelschaltbild
Base connection**



Pico 7 · Miniatur

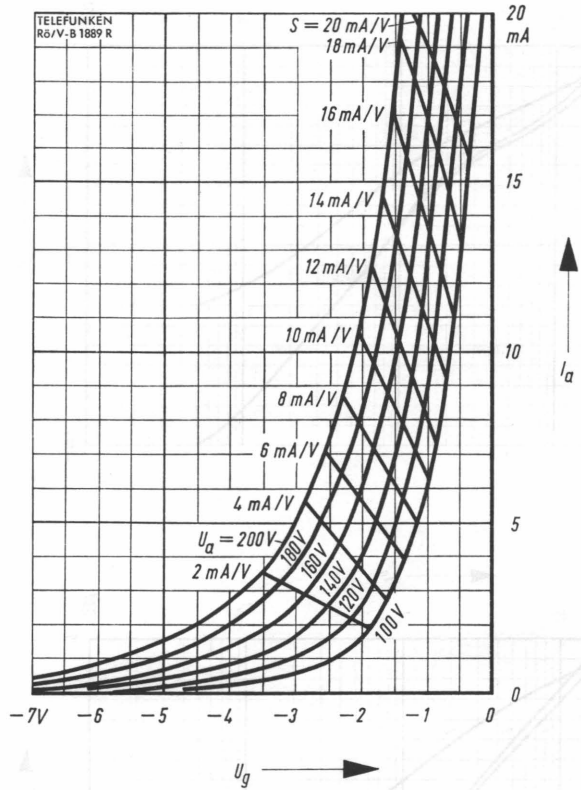
**max. Abmessungen
max. dimensions**



**Gewicht · Weight
max. 8 g**

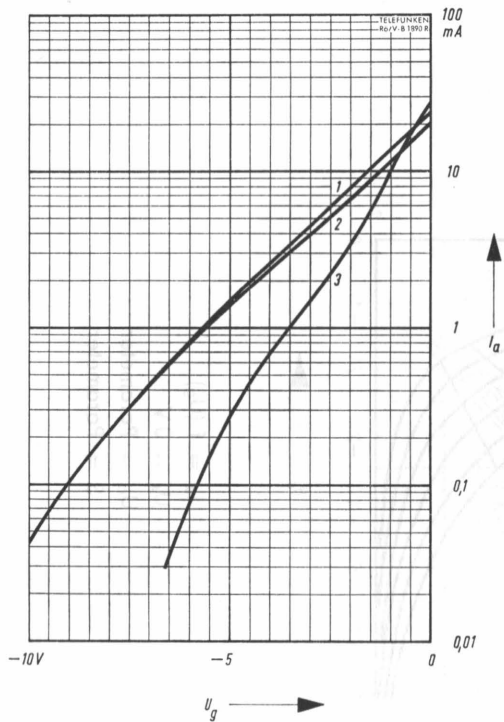
Wenn notwendig, muß gegen Herausfallen der Röhre aus der Fassung Vorsorge getroffen werden.
Special precautions must be taken to prevent the tube from becoming dislodged.





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





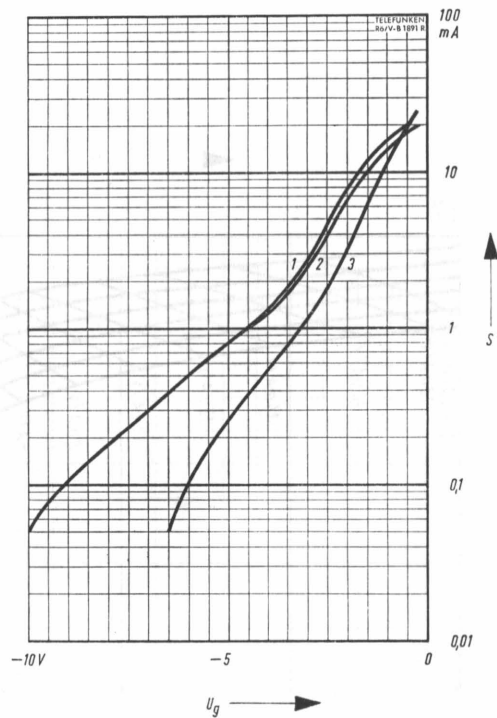
$$I_a = f(U_g)$$

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

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. $U_{ba} = 135 \text{ V}, R_a = 1 \text{ k}\Omega$



$$S = f(U_g)$$

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

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. $U_{ba} = 135 \text{ V}, R_a = 1 \text{ k}\Omega$

