

Netzröhre für GW-Heizung
indirekt geheizt
Serienspeisung
DC-AC-Heating
indirectly heated
connected in series

TELEFUNKEN

UC 92

**HF-Triode
RF-Triode**

I_f **100** mA
 U_f **9,5** V

Meß- und Betriebswerte

Measuring Values and Typical Operation

U_a	100	170	200	230	V
U_g	-0,9	-1	-0,9	-1,6	V
I_a	3	8,5	12	10,5	mA
S	3,8	6	7,2	6	mA/V
μ	58	65	67	62	
r_{aeq}		500	400	500	Ω

Grenzwerte · Maximum Ratings

U_{a0}	550	V
U_a	250	V
N_a	2,5	W
I_k	15	mA
U_g	-50	V
$R_g^{1)}$	1	M Ω
$R_g^{2)}$	0,5	M Ω
U_{fk}	150	V
R_{fk}	20	k Ω

1) U_g autom. · cathodes grid bias.

2) U_g fest · fixed grid bias.



Kapazitäten · Capacitances

Kathodenbasis-Schaltung · Grounded Cathode

ohne äußere Abschirmung
without external shielding

C_e	2,8	pF
C_a	0,55	pF
C_{ag}	1,8	pF

mit äußerer Abschirmung
Schirm- ϕ = 19,5 mm

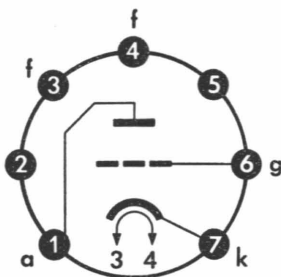
with external shielding
screen diameter = 19.5 mm

$C_{a/k+f+s}$	1,4	pF
$C_{k/g+f+s}$	4,7	pF
$C_{a/g+f+s}$	2,9	pF

Gitterbasis-Schaltung · Grounded Grid

C_e	4,6	pF
C_a	2	pF
C_{ak}	0,24	pF
C_{kf}	2	pF
C_{gf}	< 0,15	pF

Sockelschaltbild Base connection



Pico 7 · Miniatur

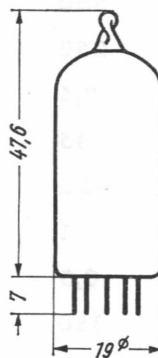
Freie Stifte bzw. freie Fassungskontakte dürfen nicht als Stützpunkte für Schaltmittel benutzt werden.

Free pins not to be connected externally.

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

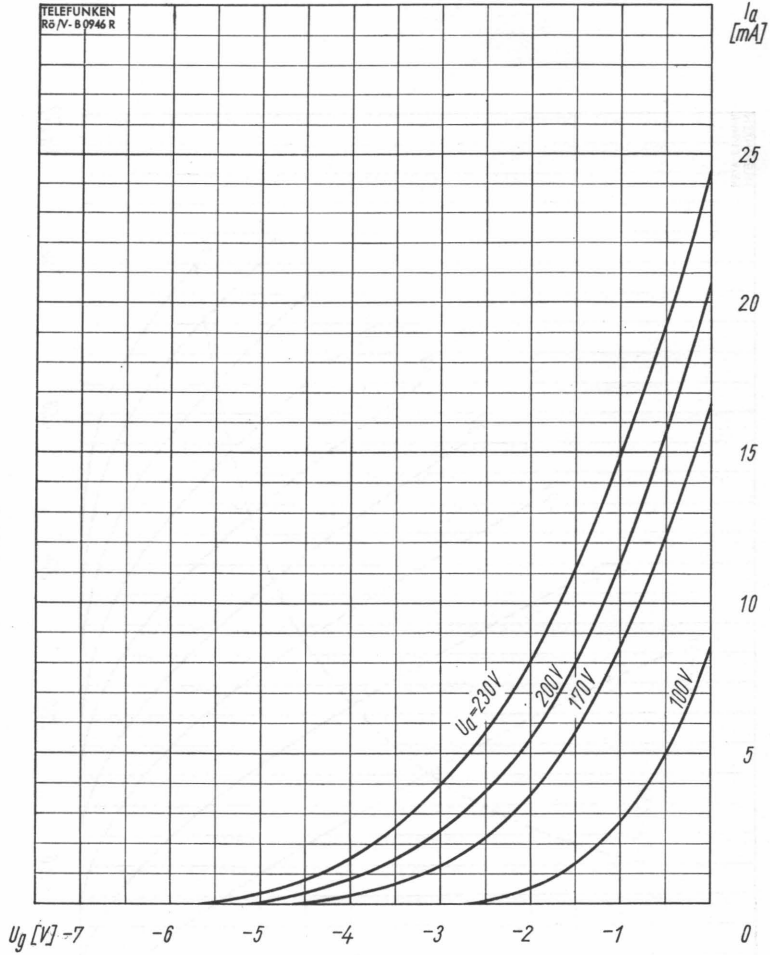
max. Abmessungen max. Dimensions

DIN 41537, Nenngröße 38, Form A



Gewicht · Weight
max. 10 g

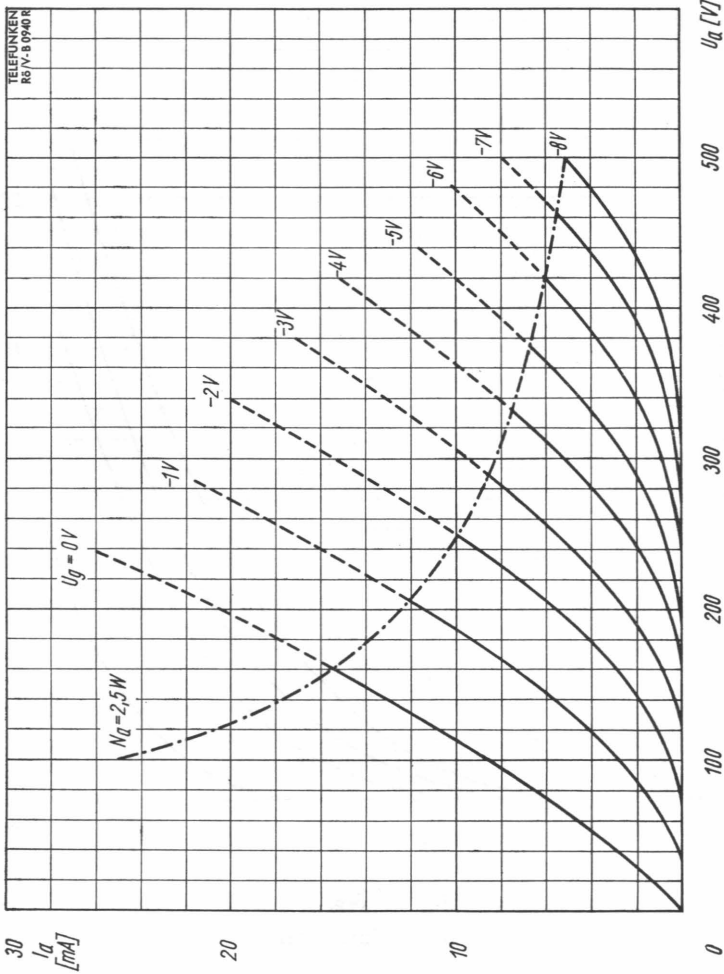




$$I_a = f(U_a)$$

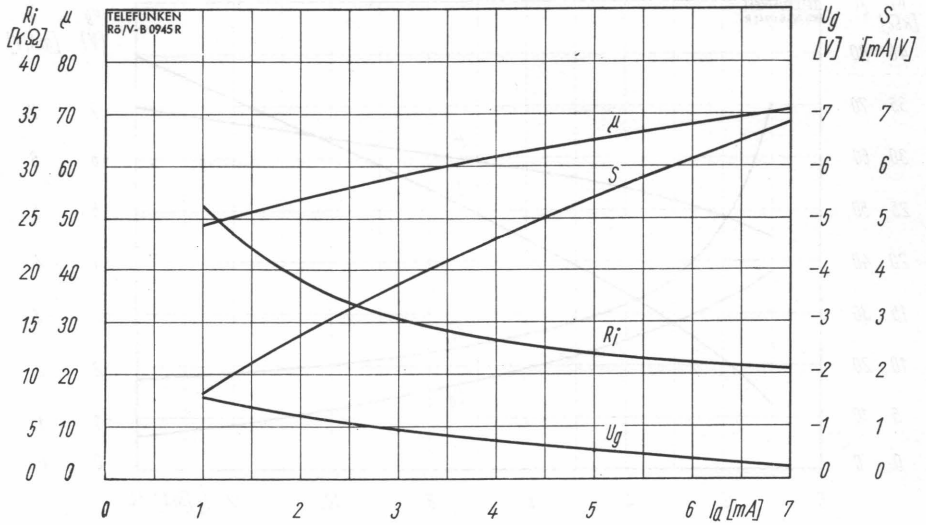
$U_a = \text{Parameter}$



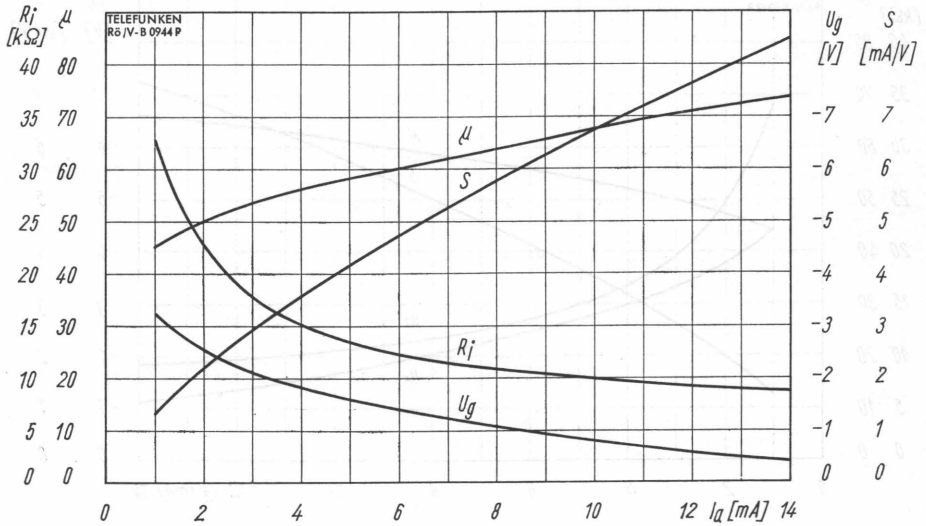


$I_a = f(U_a)$
 $U_g = \text{Parameter}$





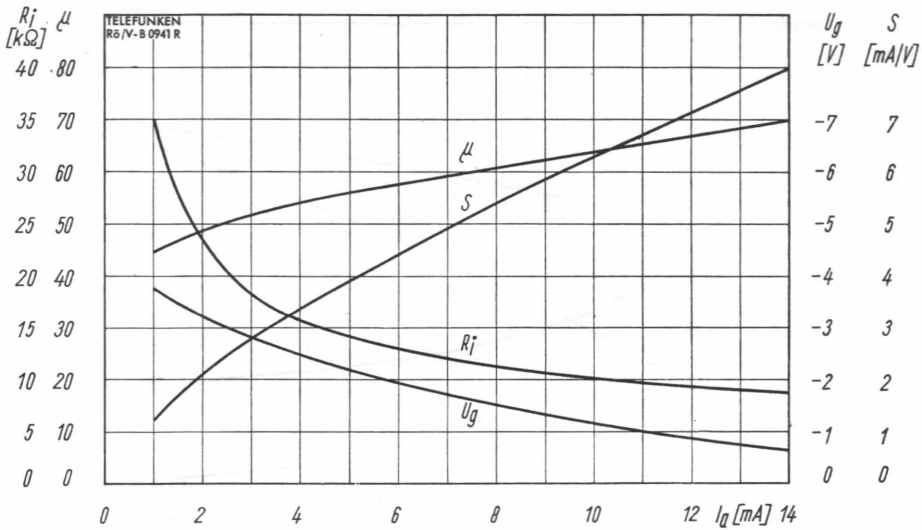
$S, U_g, R_i, \mu = f(I_a)$
 $U_a = 100\text{ V}$



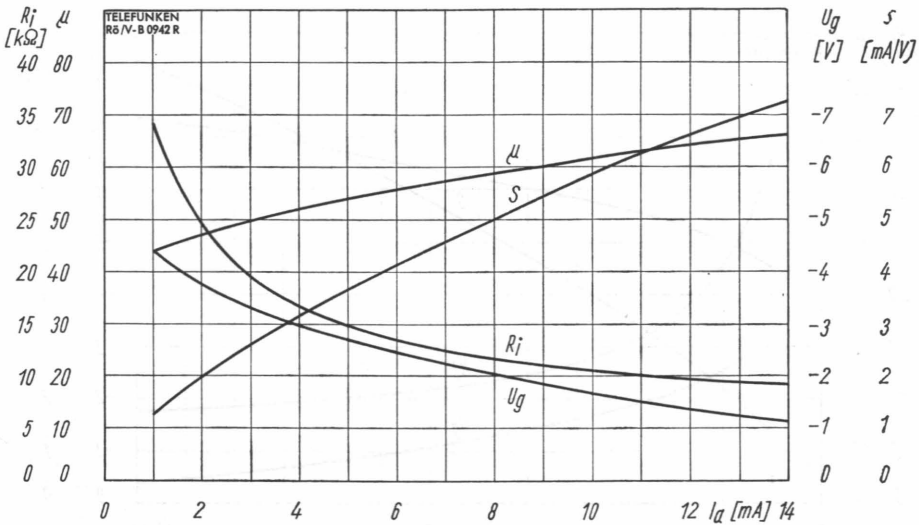
$S, U_g, R_i, \mu = f(I_a)$
 $U_a = 170\text{ V}$



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$S, U_g, R_i, \mu = f(I_a)$
 $U_a = 200 \text{ V}$



$S, U_g, R_i, \mu = f(I_a)$
 $U_a = 230 \text{ V}$

