Heizfäden parallel geschaltet	U_f	**6,3**	V
Filaments connected in parallel	I_f	**300**	mA
Heizfäden in Serie geschaltet	U_f	**12,6**	V
Filaments connected in series	I_f	**150**	mA

Normierte Anheizzeit · Normalize heating-up time

Meß- und Betriebswerte
Measuring values and typical operation

per System

U_a	**100**	**170**	**200**	**250**	V
U_g	−1 [1]	−1 [1]	−1 [1]	−2	V
I_a	**3**	**8,5**	**11,5**	**10**	mA
S	3,75	5,9	6,7	5,5	mA/V
μ	62	66	70	60	
R_i	16,5	11	10,5	11	kΩ

[1]) Bei dieser Einstellung kann Gitterstrom fließen. Wenn das unzulässig ist, empfiehlt sich die Einstellung mit $U_g = -1{,}5$ V.
With these operating conditions grid current is possible, if this is not admissible, a grid bias of −1.5 V must be taken.

TELEFUNKEN

Grenzwerte · Maximum ratings

per System

U_{ao}	**550**	V
U_a	**300**	V
N_a	**2,5**	W
I_k	**15**	mA
U_g	**−50**	V
R_g ($U_{g\,autom.}$)	**1**	MΩ
U_{ge} ($I_g \leqq +0{,}3\ \mu A$)	**−1,3**	V
$U_{f/k\,eff}$	**90**	V
$R_{f/k}$	**20**	kΩ

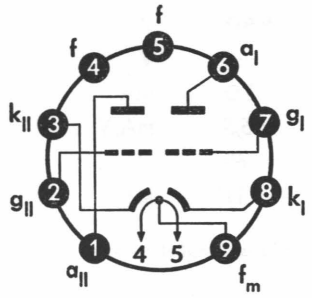
Kapazitäten · Capacitances

	System I	System II	
c_e	2,5	2,5	pF
c_a	0,45	0,35	pF
$c_{g/a}$	1,8	1,8	pF
$c_{f/k}$	2,4	2,4	pF
$c_{g/f}$	< 0,17	< 0,17	pF

Zwischen System I und System II
Between system I and system II

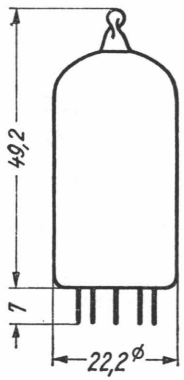
$c_{aI/aII}$	≦	0,4	pF
$c_{gI/gII}$	≦	0,005	pF
$c_{gI/aII}$	<	0,06	pF
$c_{gII/aI}$	<	0,06	pF

Sockelschaltbild
Base connection



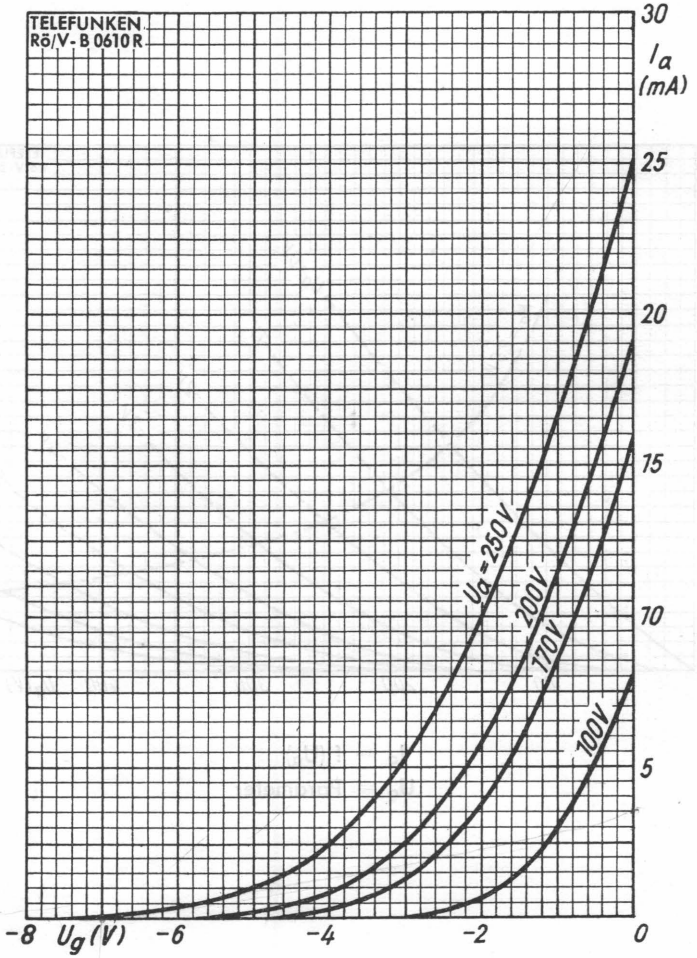
Pico 9 · Noval

max. Abmessungen
max. dimensions
DIN 41 539, Nenngröße 40, Form A



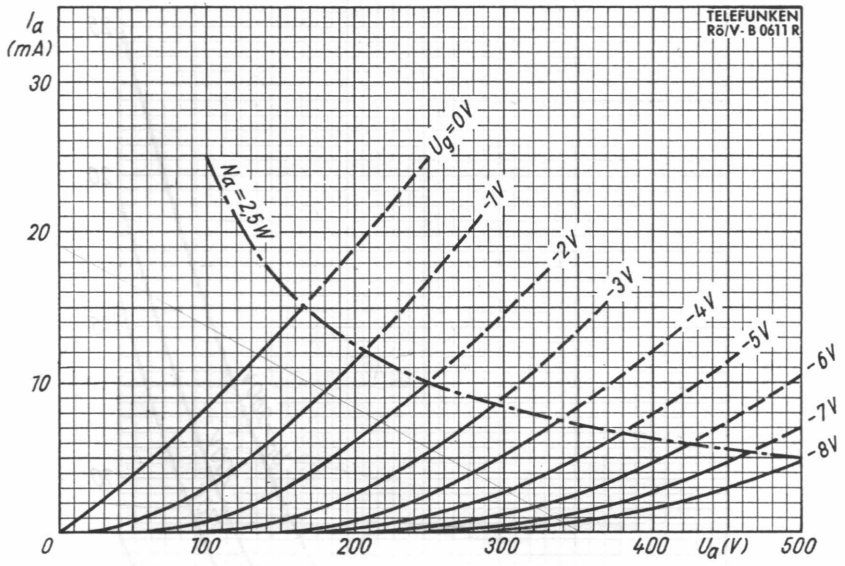
Gewicht · Weight
max. 14 g

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.

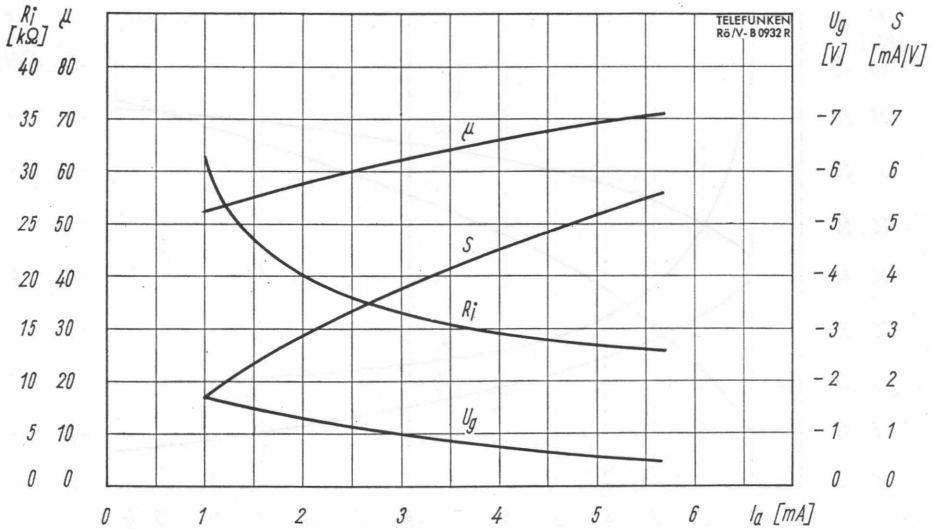


$I_a = f(U_g)$
U_a = Parameter

TELEFUNKEN

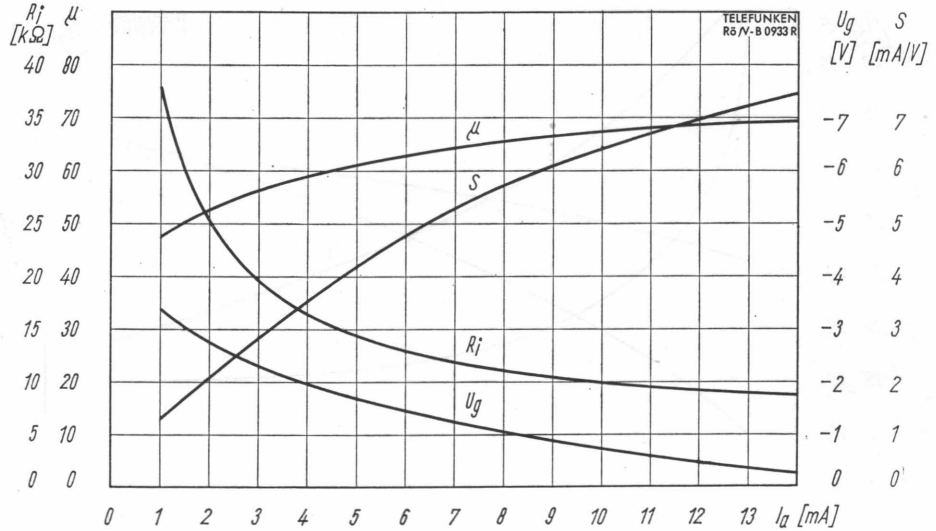


$I_a = f(U_a)$
U_g = Parameter



$S, \mu, R_i, U_g = f(I_a)$

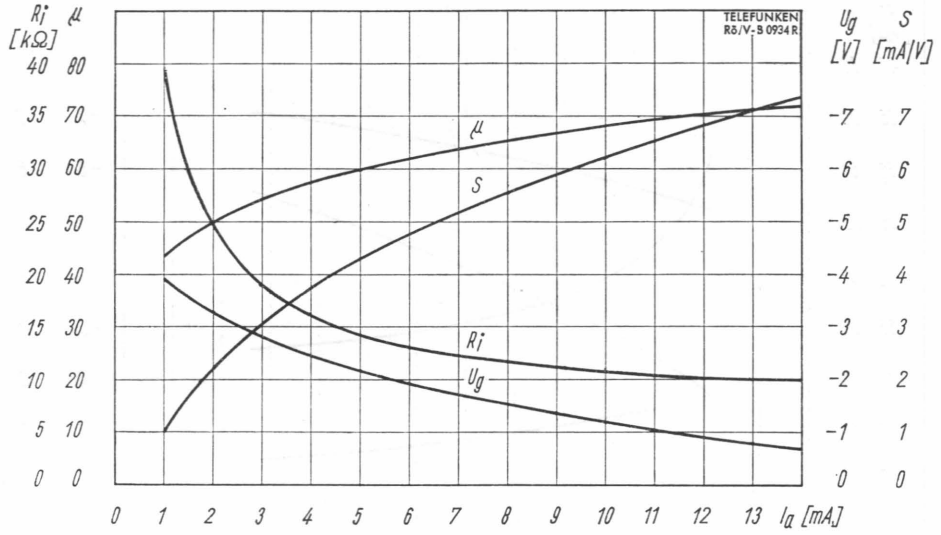
$U_a = 100\ V$



$S, \mu, R_i, U_g = f(I_a)$

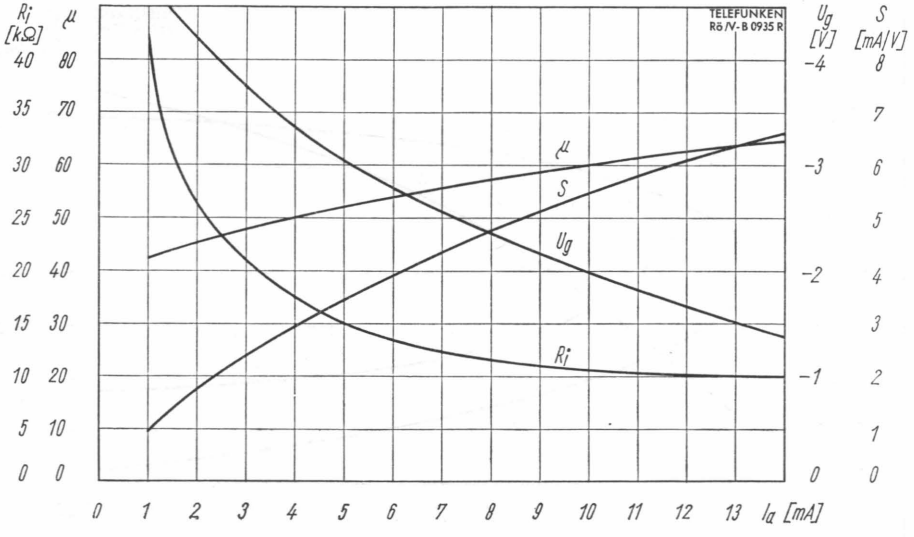
$U_a = 170\ V$

TELEFUNKEN



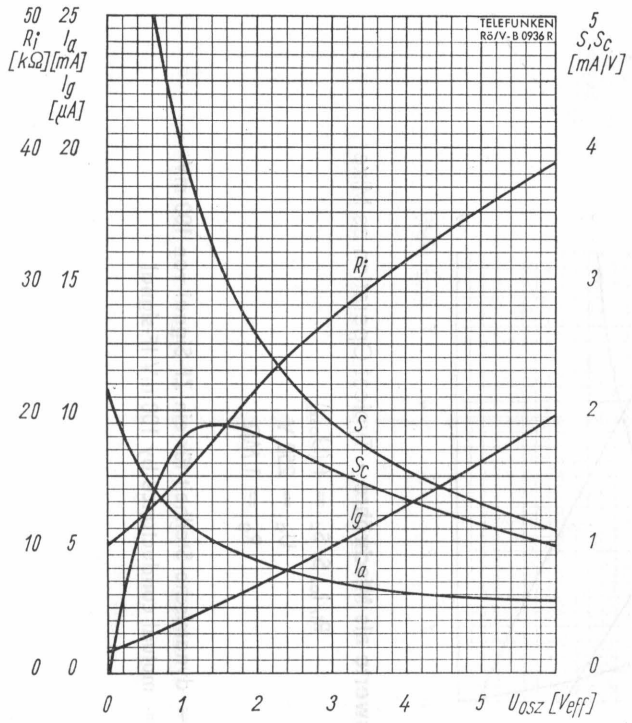
$S, \mu, R_i, U_g = f(I_a)$

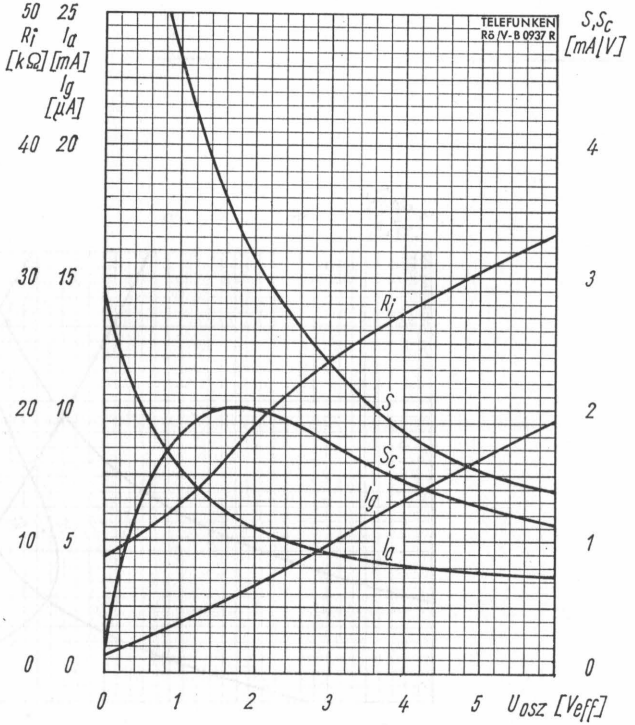
$U_a = 200\ V$



$S, \mu, R_i, U_g = f(I_a)$

$U_a = 250\ V$





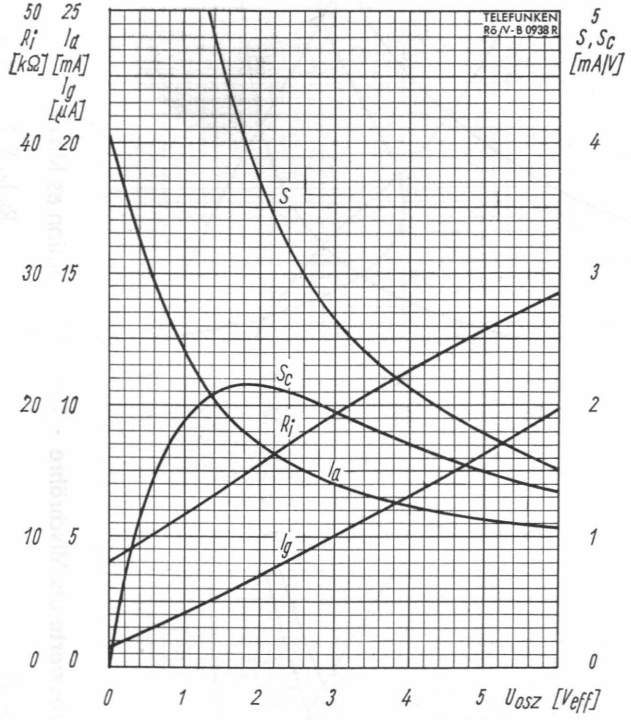
Betriebswerte als Mischröhre · Typical Operation as Mixer

$R_i, I_a, S, S_c = f(U_{osz})$
$U_a = 170$ V
$R_g = 1$ MΩ

$R_i, I_a, S, S_c = f(U_{osz})$
$U_a = 200$ V
$R_g = 1$ MΩ

S = dynamische Steilheit für ein ZF-Signal von 100 mV
S = mutual conductance by 100 mV IF-signal

TELEFUNKEN



Betriebswerte als Mischröhre · Typical Operation as Mixer

R_i, I_a, S, S_c = f (U_{osz})
U_a = 250 V
R_g = 1 MΩ

S = dynamische Steilheit für ein ZF-Signal von 100 mV
S = mutual conductance by 100 mV IF-signal