

Netzröhre für GW-Heizung
indirekt geheizt
Serienspeisung

DC-AC-Heating
indirectly heated
connected in series

TELEFUNKEN

PCC 85

HF-Doppeltriode mit
getrennten Kathoden

RF-Twin Triode with
separate cathodes

U_f 9 V
 I_f 300 mA

Meßwerte · Measuring Values
per System

	100	170	200	V
U_a	100	170	200	V
U_g	-1,1 *)	-1,5	-2,1	V
I_a	4,5	10	10	mA
S	4,6	6,2	5,8	mA/V
μ	50	50	48	

Betriebswerte · Typical Operation

HF-Verstärker · RF-Amplifier

	100	170	170	V
U_b	100	170	170	V
$R_{av}^{**})$	1,5	1,5	1,3	k Ω
U_a	92	155	160	V
R_k	160	160	330	Ω
U_g	-0,85 *)	-1,4	-2	V
I_a	5,2	8,7	6	mA
S	5,2	6	4,7	mA/V
R_i	10	8,4	10,5	k Ω
r_{e100}	7	6	8	k Ω
r_{aeq}	580	500	650	Ω

Mischstufe, selbstschwingend · Mixer, self-excited

	100	170	200	V
U_b	100	170	200	V
$R_{av}^{**})$	4,7	4,7	8,2	k Ω
R_g	1	1	1	M Ω
U_{osz}	1,8	2,8	2,8	V _{eff}
I_a	2,2	4,8	5,8	mA
S_c	1,7	2,2	2,3	mA/V
R_i	20	16	15	k Ω
r_{e100}		15		k Ω

In Oszillatorschaltungen soll zur Vermeidung von Mikrofoneffekt keine HF-Spannung zwischen Faden und Kathode liegen.

To avoid microphone effects in oscillator circuits no RF-voltage should lie between heater and cathode.

*) Bei dieser Einstellung kann Gitterstrom fließen; wenn das unzulässig ist, muß eine Einstellung mit -1,5 V Gittervorspannung gewählt werden.

There will be a grid current when adjusted in this manner. If this is inadmissible an adjustment with -1.5 V grid bias must be selected.

**) Dieser Widerstand ist HF-mäßig durch einen Kondensator überbrückt.

This resistance is to be shunted for RF by means of a condenser.



Grenzwerte · Maximum Ratings

per System

U_{ao}	550	V
U_a	250	V
N_a	2,5 *	W
I_k	15	mA
U_g	-100	V
R_g	1	MΩ
R_{fk}	20	kΩ
U_{fk} k pos, f neg	200	V
k neg, f pos	90	V

*) $N_{aI} + N_{aII} = 4,5$ W.

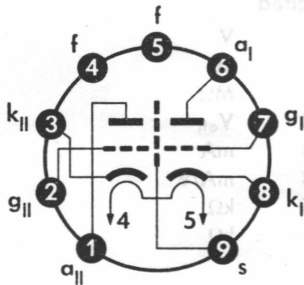
Kapazitäten · Capacitances

C_{aI}	1,5	pF	C_{aII}	< 0,008	pF
C_{aII}	1,5	pF	C_{gI}	< 0,003	pF
C_{aI}	0,18	pF	$C_{gI(kI+f+s)}$	3	pF
C_{aII}	0,18	pF	$C_{aII(kII+f+s)}$	1,2	pF
C_{aI}	< 0,04	pF	$C_{gII(kII+f+s)}$	3	pF
C_{gI}	< 0,003	pF	$C_{aI(kI+f+s)}$	1,2	pF
C_{aII}	< 0,008	pF	C_{aII}	< 0,008	pF
C_{gII}	< 0,008	pF	C_{gII}	< 0,003	pF

mit Abschirmung
22,5 mm ϕ gemessen
with shielding
22.5 mm ϕ measured

$C_{aI(kI+f+s)}$	1,9	pF
$C_{aII(kII+f+s)}$	1,9	pF
C_{aI}	< 0,008	pF

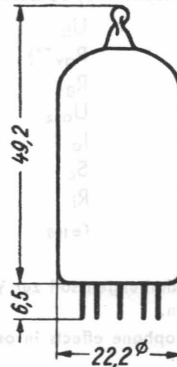
Sockelschaltbild
Base connection



Pico 9 (Noval)

max. Abmessungen
max. Dimensions

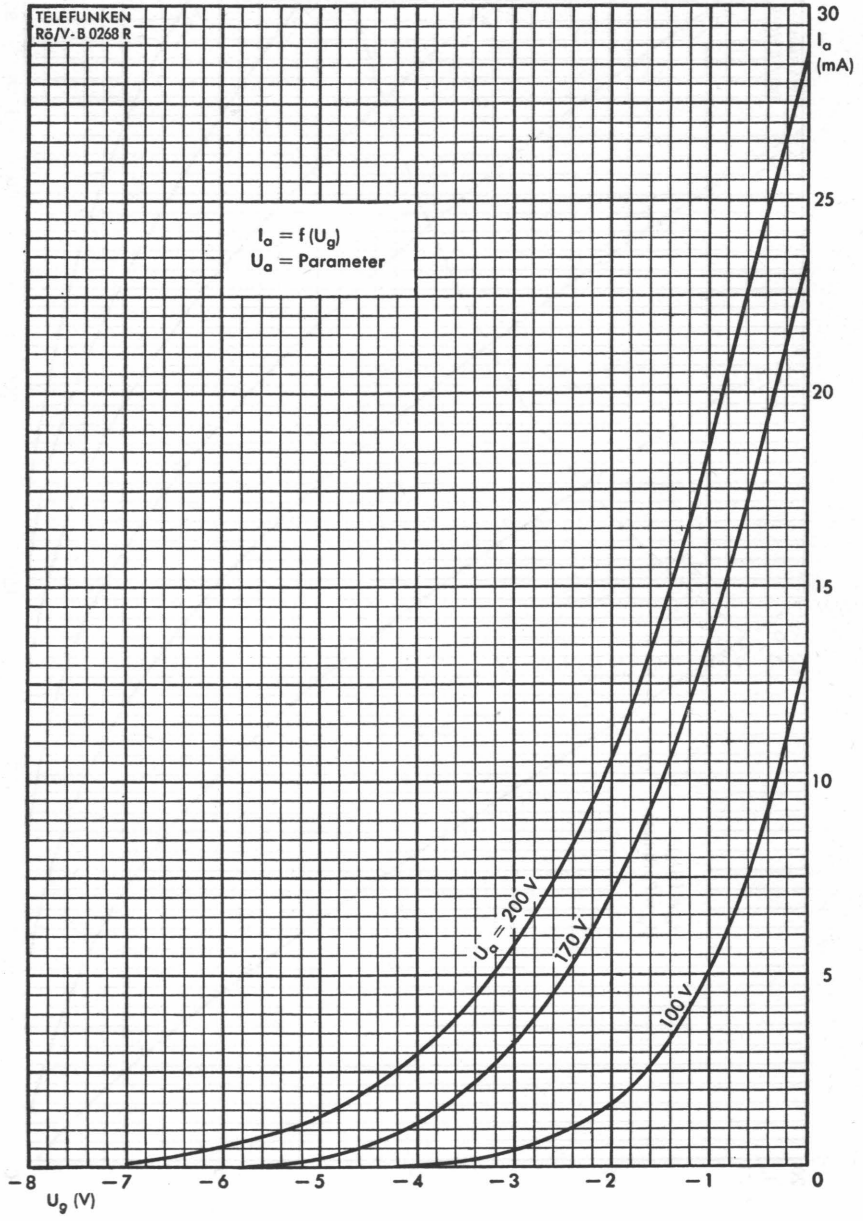
DIN 41539, Nenngröße 40, Form A



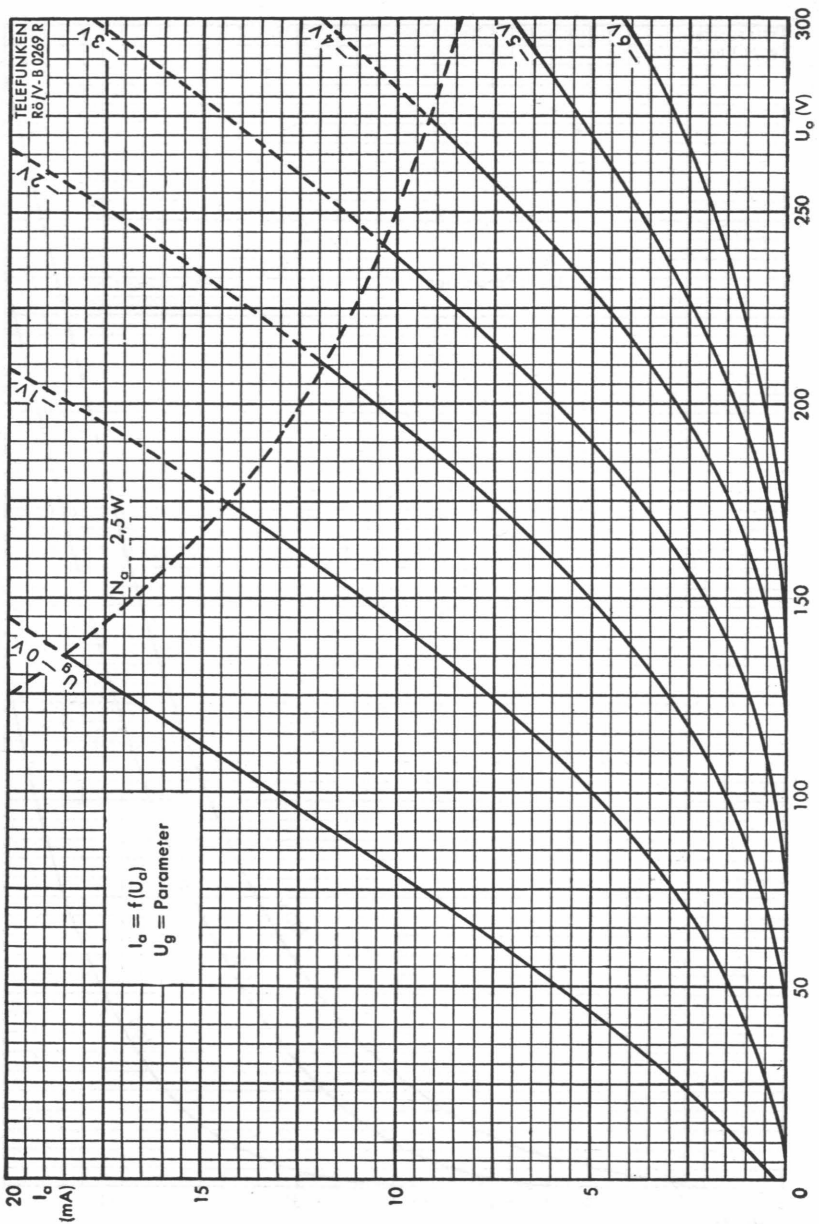
Gewicht · Weight
max. 16 g

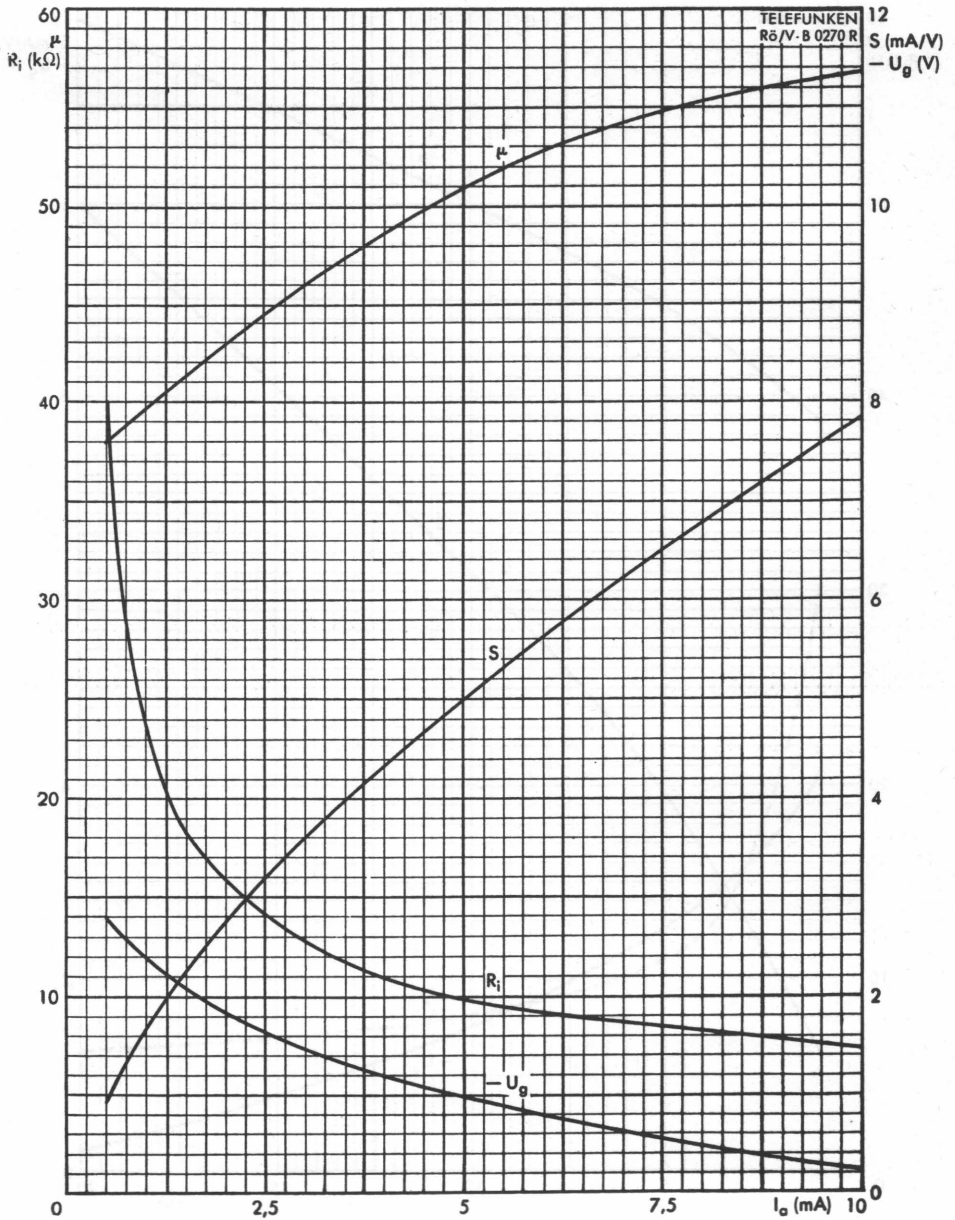
Wenn notwendig, muß gegen Herausfallen der Röhre aus der Fassung Vorsorge getroffen werden.
Special precaution must be taken to prevent the tube from becoming dislodges.





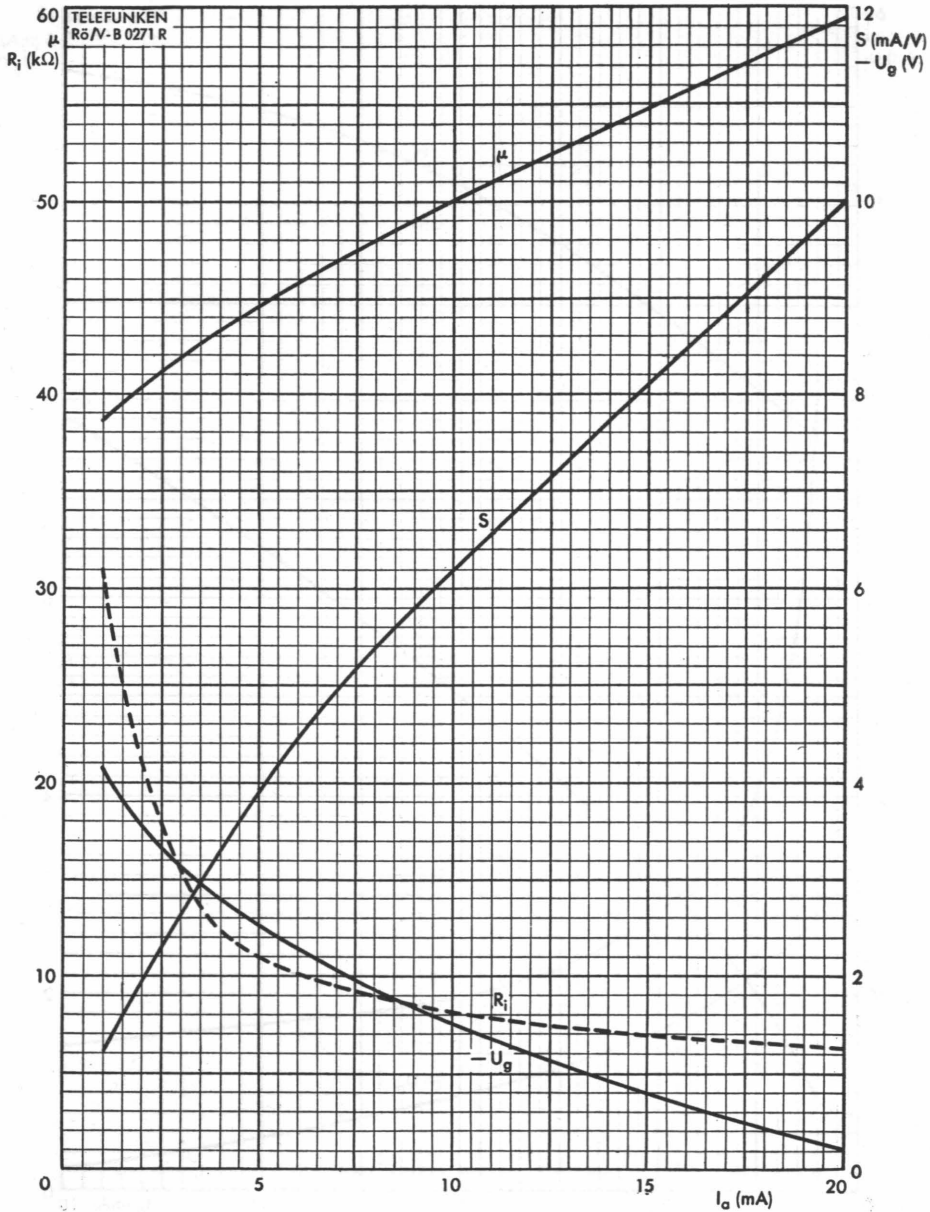
TELEFUNKEN





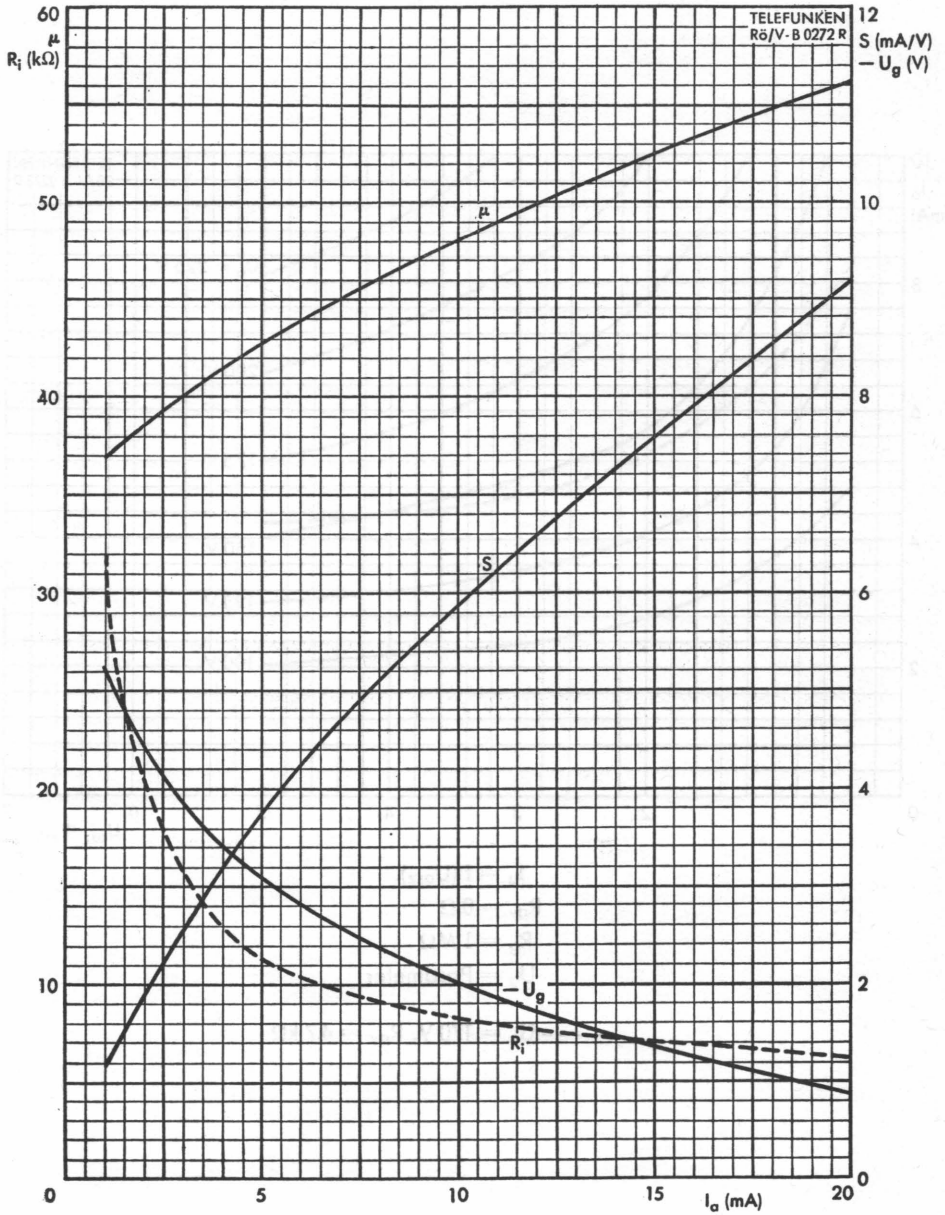
$S, \mu, R_i, -U_g = f(I_a)$
 $U_a = 100 V$





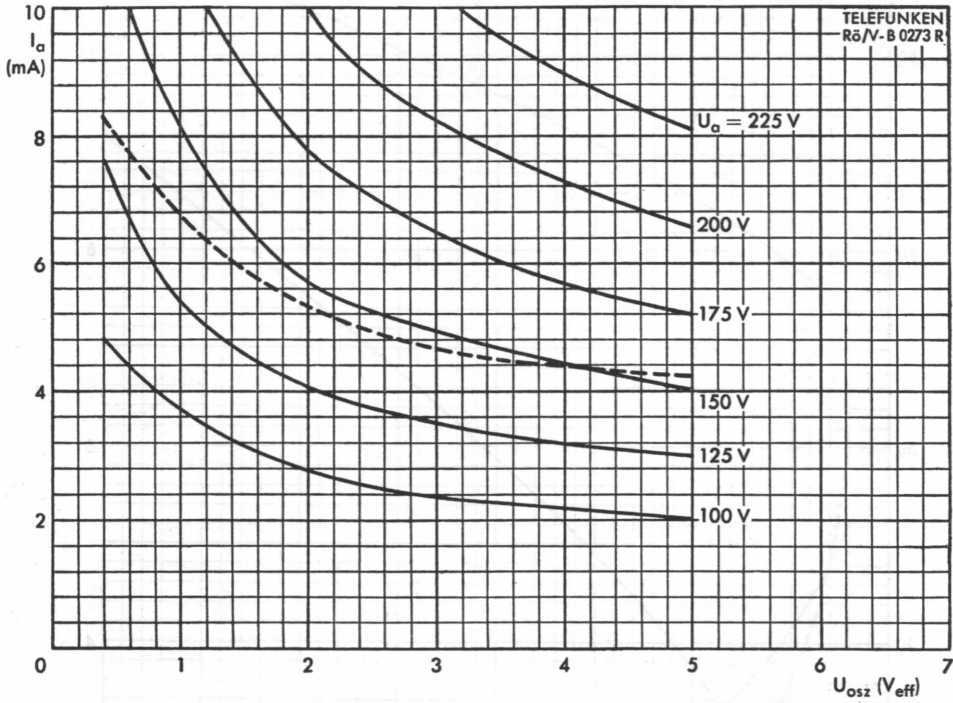
$S, R_i, \mu, -U_g = f(I_a)$
 $U_a = 170 \text{ V}$





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



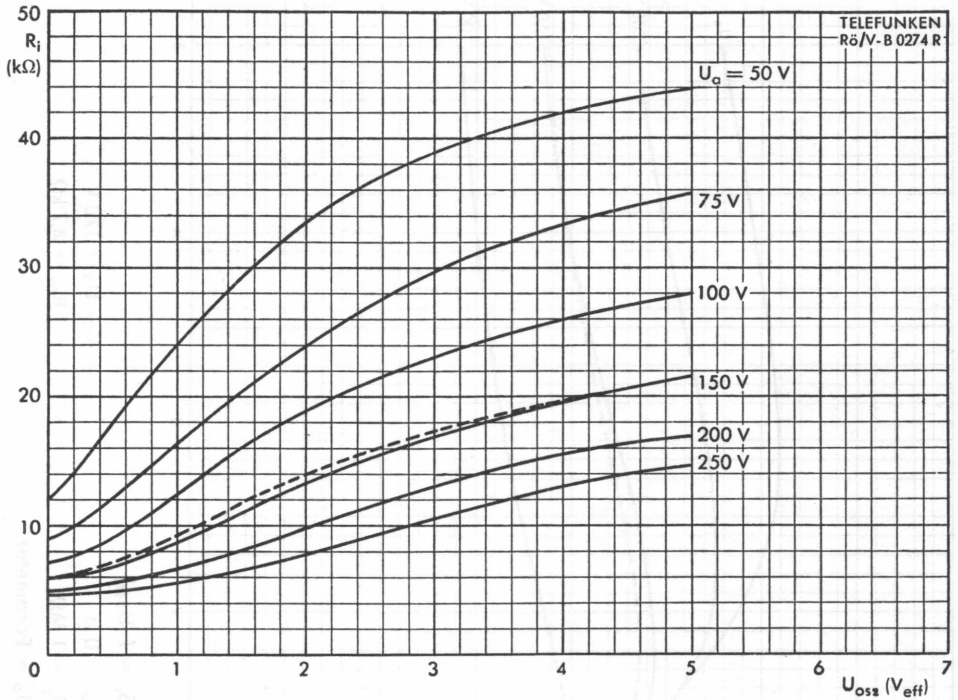


TELEFUNKEN
R6/V-B 0273 R

$I_a = f(U_{osz})$
 $R_{av} = 0 \Omega$
 $R_g = 1 M\Omega$
 $U_a = \text{Parameter}$

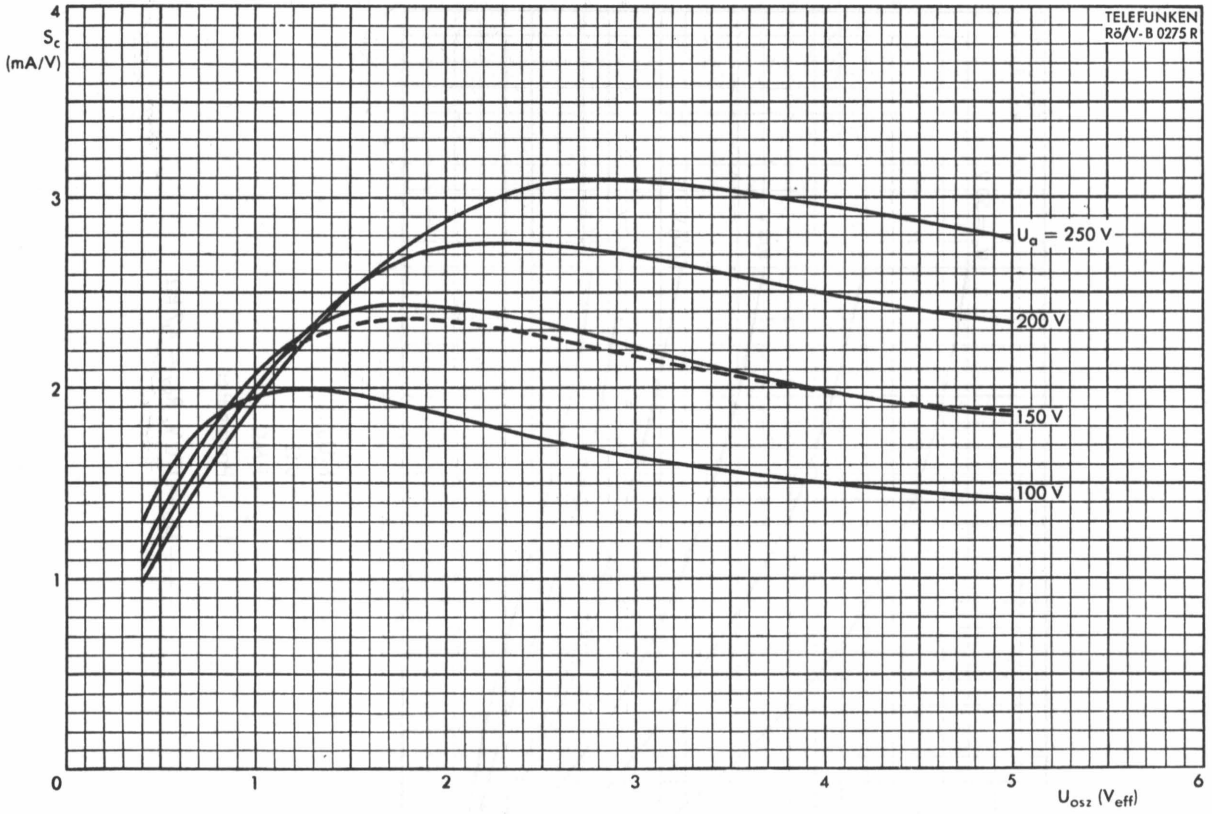
----- $U_b = 170$ V, $R_{av} = 4,7$ k Ω





$R_i = f(U_{osz})$
 $R_{av} = 0 \Omega$
 $R_g = 1 M\Omega$
 $U_a = \text{Parameter}$
 ----- $U_b = 170 V, R_{av} = 4,7 k\Omega$





TELEFUNKEN
R8/V-B 0275 R

$S_c = f(U_{osz})$
 $R_{av} = 0 \Omega$
 $R_g = 1 M\Omega$
 $U_a = \text{Parameter}$

----- $U_b = 170$ V
 $R_{av} = 4,7$ k Ω