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Röhrentype: Triode-Hexode, Mischröhre für Überlagerungsempfänger.
Type de tube: triode-hexode, changeuse de fréquence pour superhétérodynes.
Type of tube: triode-hexode, frequency converter for superheterodyne receivers.

Heizung dir., Batteriestrom, Parallelspeisung.
Chauffage dir., courant batterie, alimentation en parallèle.
Heating dir., battery current, parallel filament supply.

Vf	2	V
If	0,18	A

Kapazitäten.
Capacités.
Capacities.

a.) Hexodenteil	Cgl	7 µµF
Partie hexode	Ca	16 µµF
Hexode section	Cagl	<0,05 µµF
b.) Triodenteil	Cgf	13,5 µµF
Partie triode	Caf	3,6 µµF
Triode section	Cag	3,5 µµF

c.) Zwischen Hexoden- und Triodenteil
Entre les parties hexode et triode C_{gTgl_H} <0,4 µµF
Between hexode and triode sections

Betriebsdaten des Hexodenteiles als Mischröhre.
Caractéristiques de service de la partie hexode comme changeuse de fréquence.
Operating conditions for use of the hexode section as frequency changer.

a) Feste Schirmgitterspannung.
Tension de grille-écran fixe.
Fixed screen-grid voltage.

Va_H		90			135		V
$Vg2,4$		55			55		V
$Rg3$		25000			25000		Ω
$Ig3$		280			280		µA
Vgl	-0,5[1]	-8[2]	-9,5[3]	-0,5[1]	-8[2]	-9,5[3]	V
Ia_H	1	-	-	1	-	-	mA
$Ig2+Ig4$	1,2	-	-	1,2	-	-	mA
Sc	320	3	1	325	3	1	µA/V
Ri	0,7	>4	>5	1,5	>10	>10	MΩ

b) Schirmgitterspeisung über einen Serienwiderstand.
Alimentation de la grille-écran à travers une résistance série.
Screen-grid supply through a series resistance.

Va_H		90			135		V
$Rg2,4$		29000			67000		Ω
$Rg3$		25000			25000		Ω
$Ig3$		380			280		µA
Vgl	-0,5[1]	-12[2]	-15[3]	-0,5[1]	-17[2]	-20[3]	V
$Vg2,4$	55	-	90	55	-	135	V
Ia_H	1	-	-	1	-	-	mA

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Ig2+Ig4	1,2	-	-	1,2	-	-	mA
Sc	320	3	1	325	3	1	µA/V
Ri	0,7[4]	>0,9	> 1	1,5[5]	>1	>1,5	MΩ

c) Schirmgitterspeisung über einen Spannungsteiler.
Alimentation de la grille-écran à travers un diviseur de tension.
Screen-grid supply through a voltage divider.

Va		90			90		V
R1		16000			22000		Ω
R2		55000			110000		Ω
Rg3		25000			25000		Ω
Ig3		280			280		µA
Vg1	-0,5[1]	-9,5[2]	-11[3]	-0,5[1]	-10[2]	-12[3]	V
Vg2,4	55	"	70	55	-	75	V
Ia_H	1	"	"	1	-	"	mA
Ig2+Ig4	1,2	-	-	1,2	-	-	mA
Sc	320	3	1	320	3	1	µA/V
Ri	0,7	>2	>3	0,7	>1,5	>2,5	MΩ

1) Im ungeregelten Zustand.
Tube non réglé par le C.A.V.
Tube not controlled by A.V.C.

2) Für eine Regelung der Mischsteilheit 1:100.
Pour un réglage de la pente de conversion 1:100.
For a control of the conversion conductance of 1:100.

3) Grenze des optimalen Regelbereiches.
Limite de la zone de réglage optimum.
Limit of the optimum control range.

4) Bei -5 Volt Vorspannung beträgt der Innenwiderstand ca. 100.000 Ω.
A une polarisation de -5 volts la résistance interne vaut 100.000 Ω environ.
At a bias of -5 volts the internal resistance drops to approx. 100.000 Ω

5) Bei -6 Volt Vorspannung beträgt der Innenwiderstand ca. 400.000 Ω.
A une polarisation de -6 volts la résistance interne vaut 400.000 Ω environ.
At a bias of -6 volts the internal resistance drops to approx. 400.000 Ω.

Betriebsdaten des Triodenteiles als Oszillator.
Caractéristiques de service de la partie triode comme oscillatrice.
Operating corditions for use of the triode section as oscillator.

Va_T 7)		70	90	135 V
Ra_T		-	7000	22000 Ω
Ia_T (Ig = 280 µA; Rg=25000 Ω)		3	3	3 mA
Ia_T (Vg = 0 V; Ig = 0)		4,5	-	- mA
S (Vg = 0 V; Ig = 0)		1,7	1,7	1,7 mA/V
µ (Vg = 0 V; Ig = 0)		18	18	18

7) Anodensp.oder Speisesp. am Anodenwiderstand.
Tens. d'an. ou tens.d'alimert.de la résist. d'anode.
Anode volt. or supply volt. of the anode series resist.

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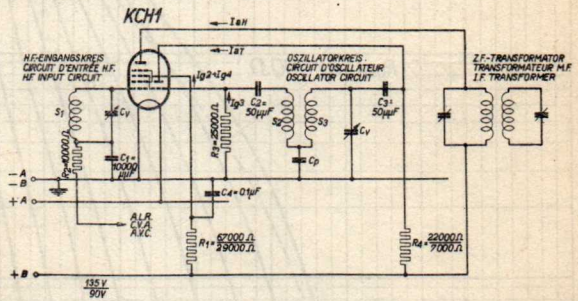
Grenzdaten des Hexodenteiles.
Limites fixées pour les caractéristiques de la partie hexode.
Limiting values for operation of the hexode section.

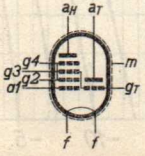
Va_H	max. 135 V
Wa_H	max. 1,5 W
$Vg2,4$ (Ia_H = 1 mA)	max. 60 V
$Vg2,4$ (Ia_H = <0,2 mA)	max. 135 V
$Wg2,4$	max. 1 W
Ik	max. 8 mA
Rgl	max. 3 MΩ
Vgl (Igl = +0,3 µA)	max.-0,2 V

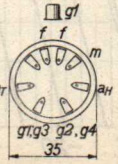
Grenzdaten des Triodenteiles.
Limites fixées pour les caractéristiques de la partie triode.
Limiting values for operation of the triode section.

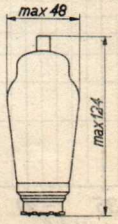
Va_T	max. 80 V
Wa_T	max. 0,5 W
Vg (Ig = +0,3 µA)	max. -0,2 V
Rg_T	max. 50000 Ω

Gründsätzliche Betriebsschaltung.
Schéma de principe d'utilisation.
Fundamental circuit diagram for operation.









Abmessungen in mm; Dimensions en mm; Dimensions in mm.

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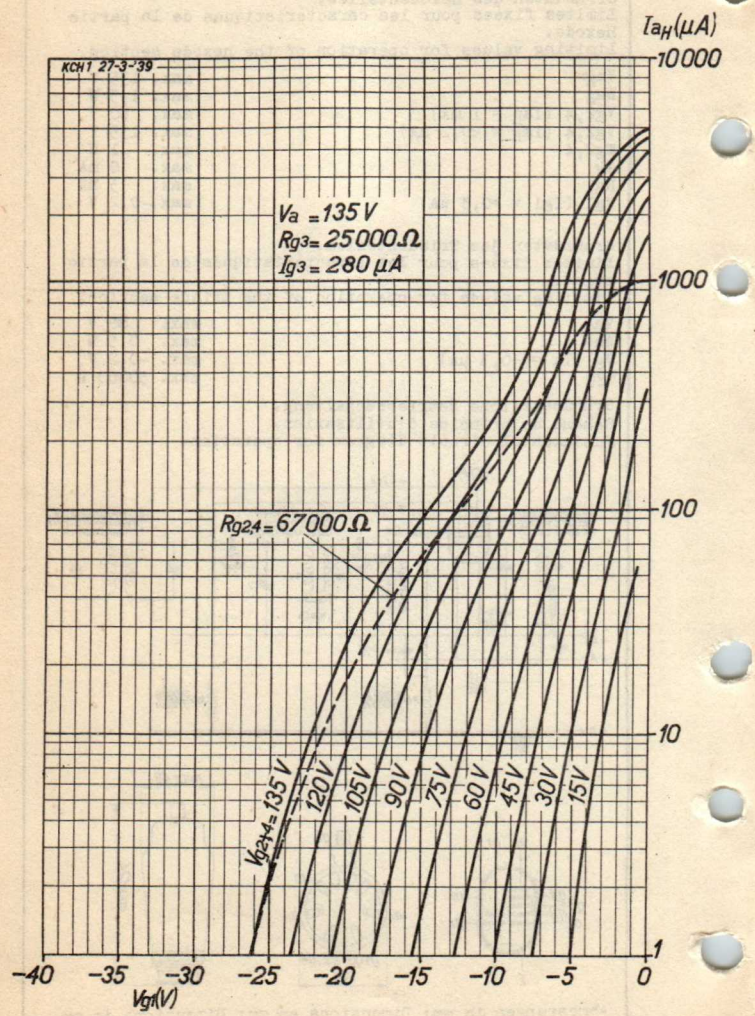

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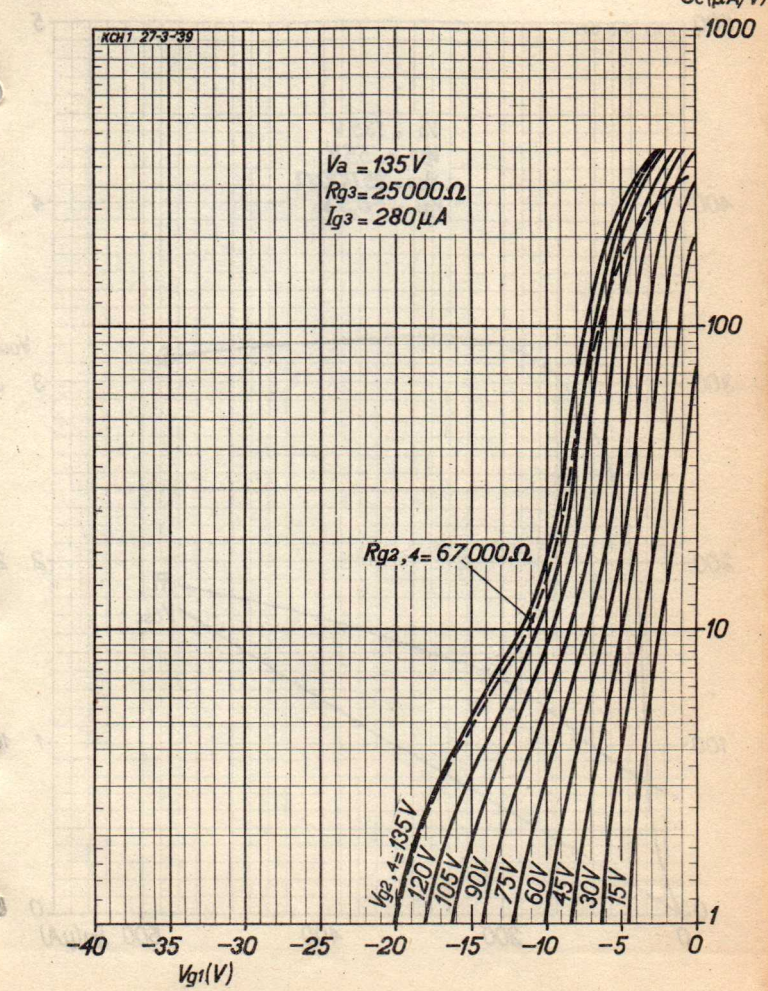

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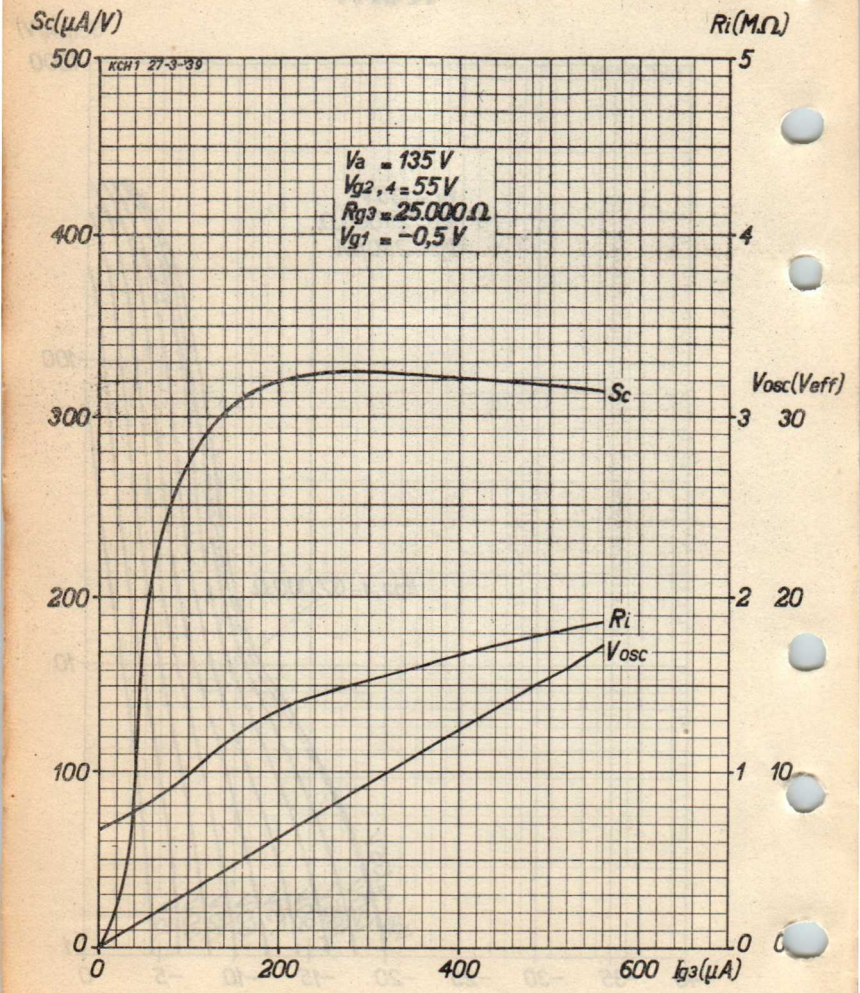

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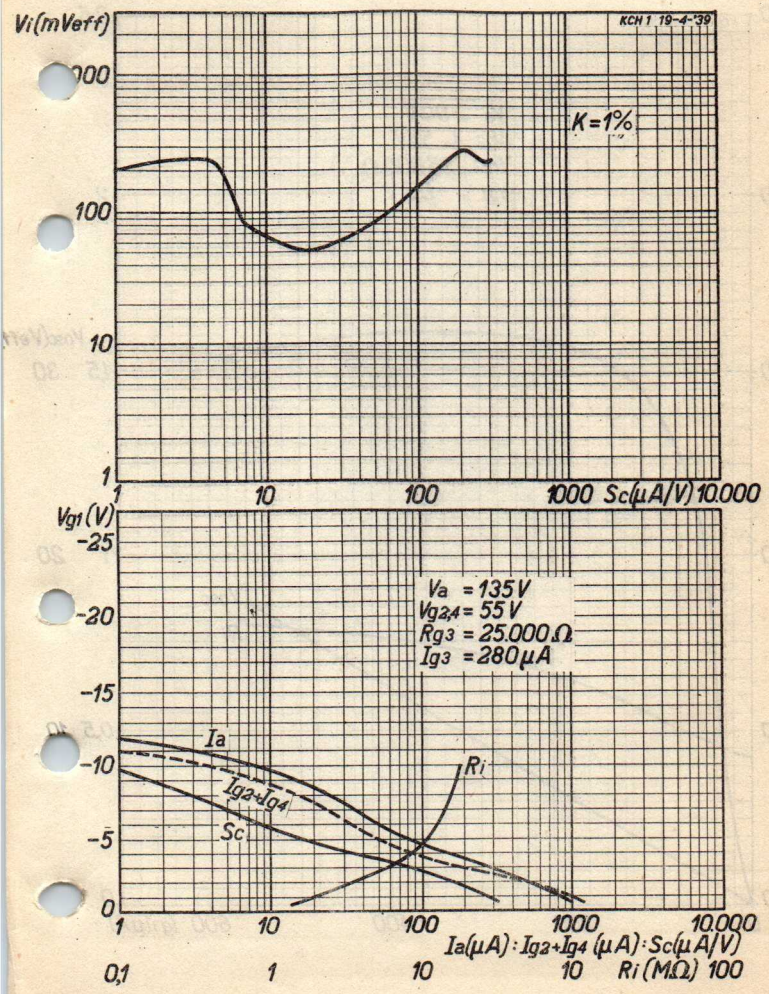

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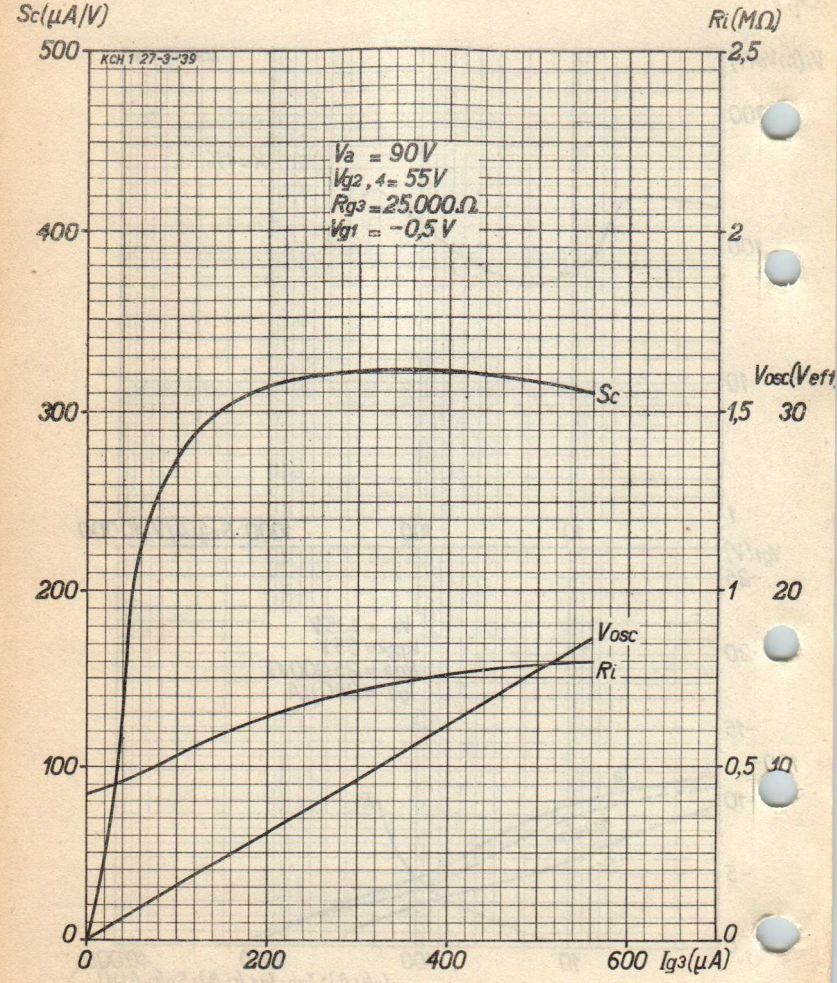

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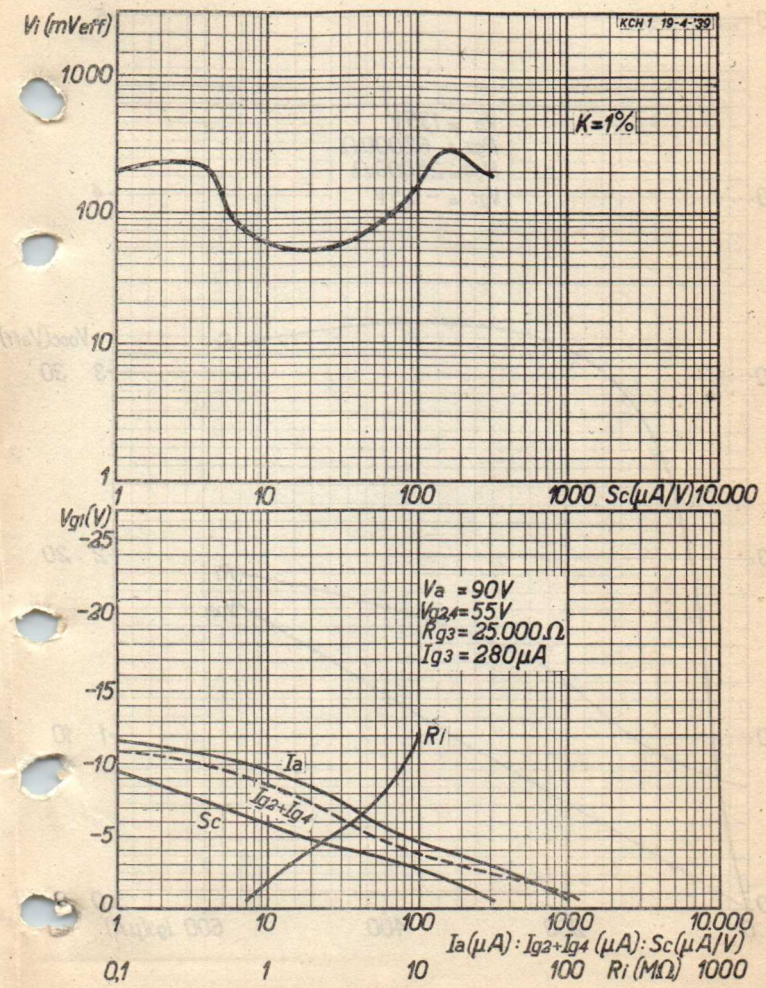

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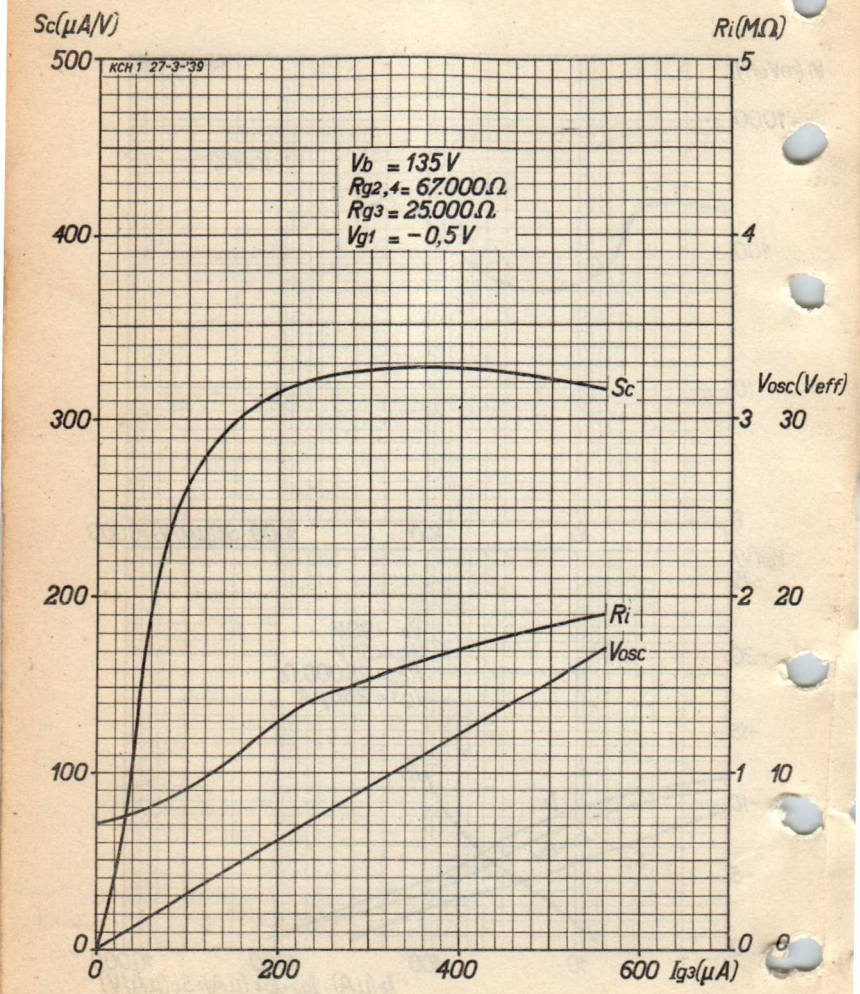

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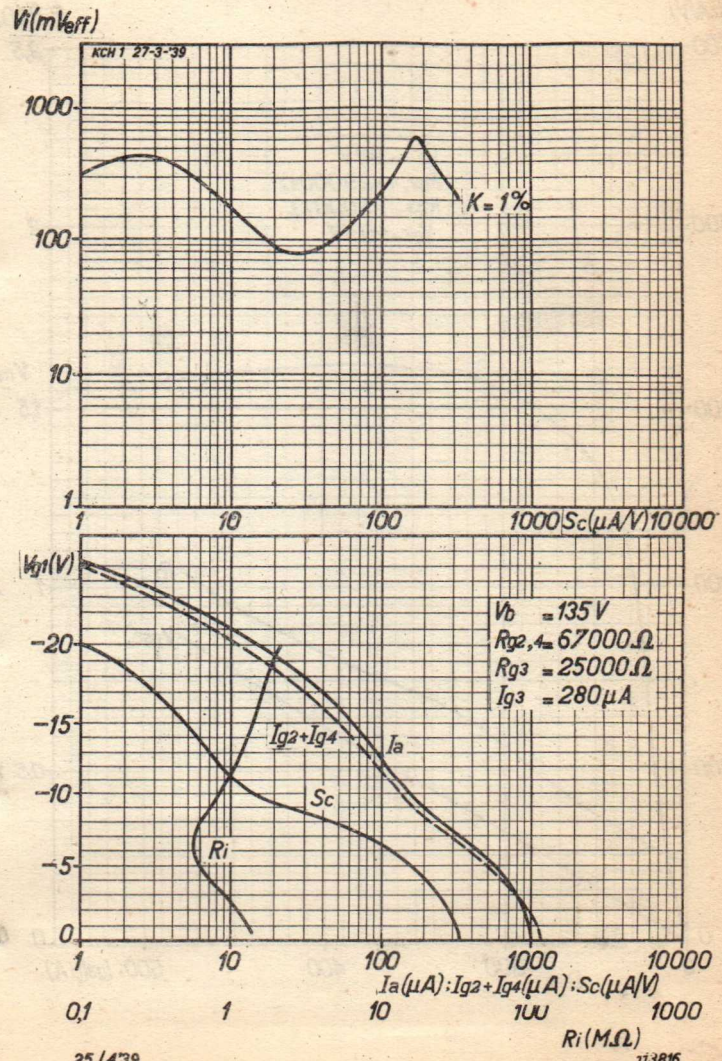

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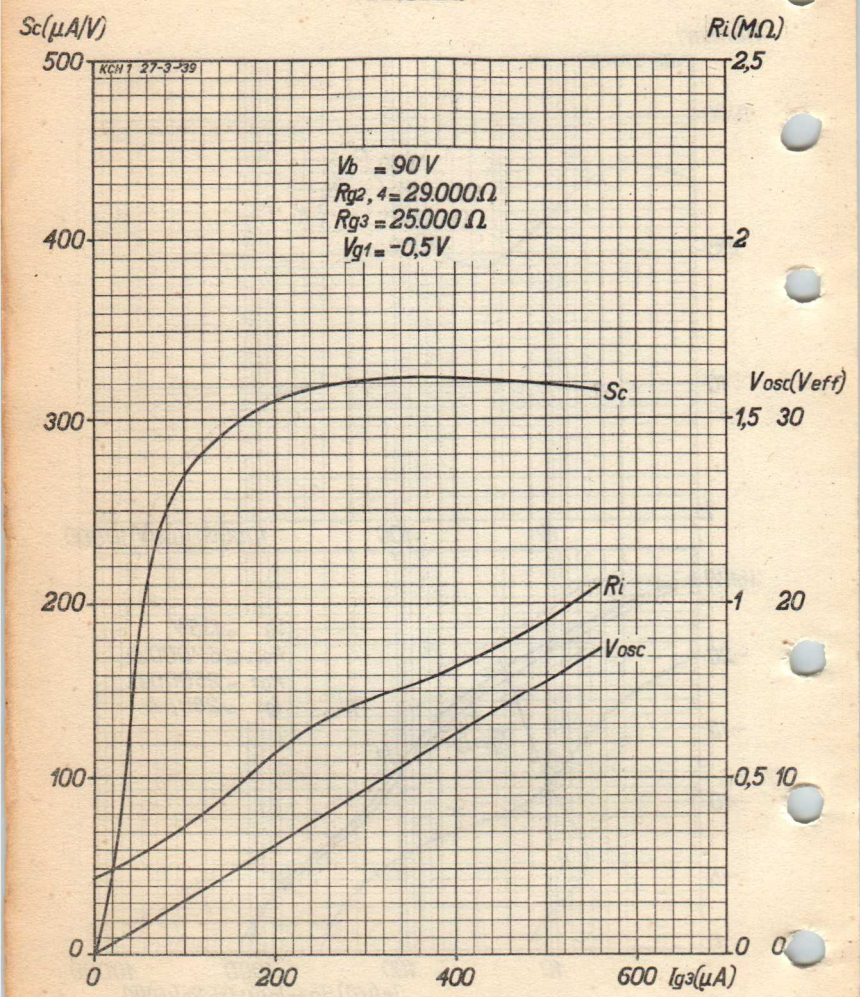

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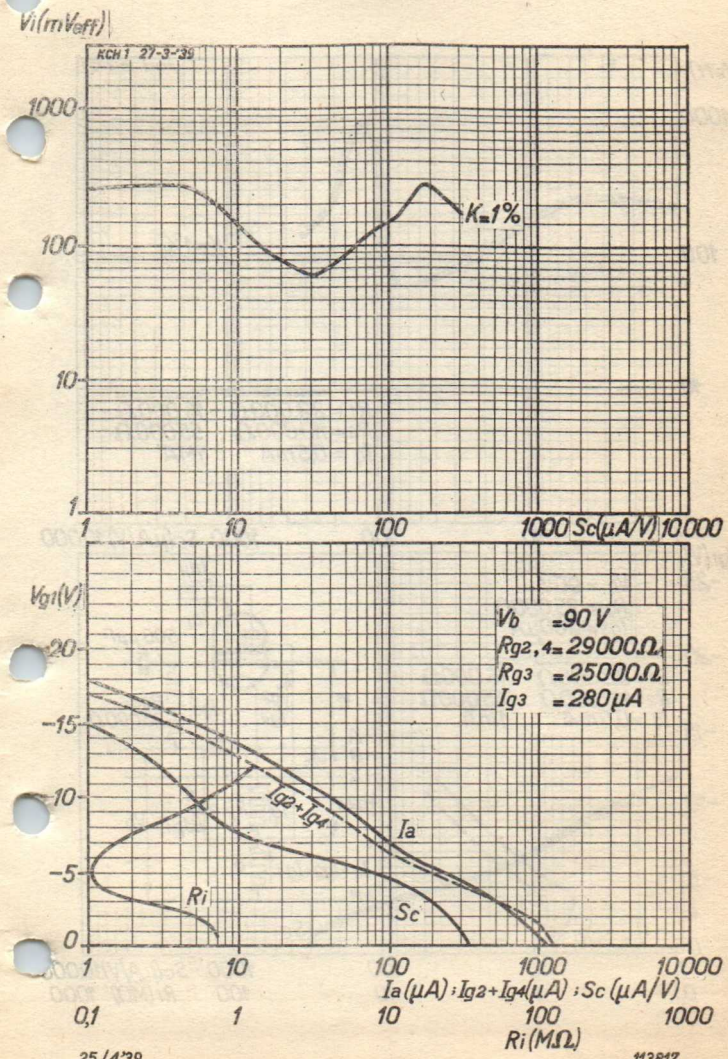

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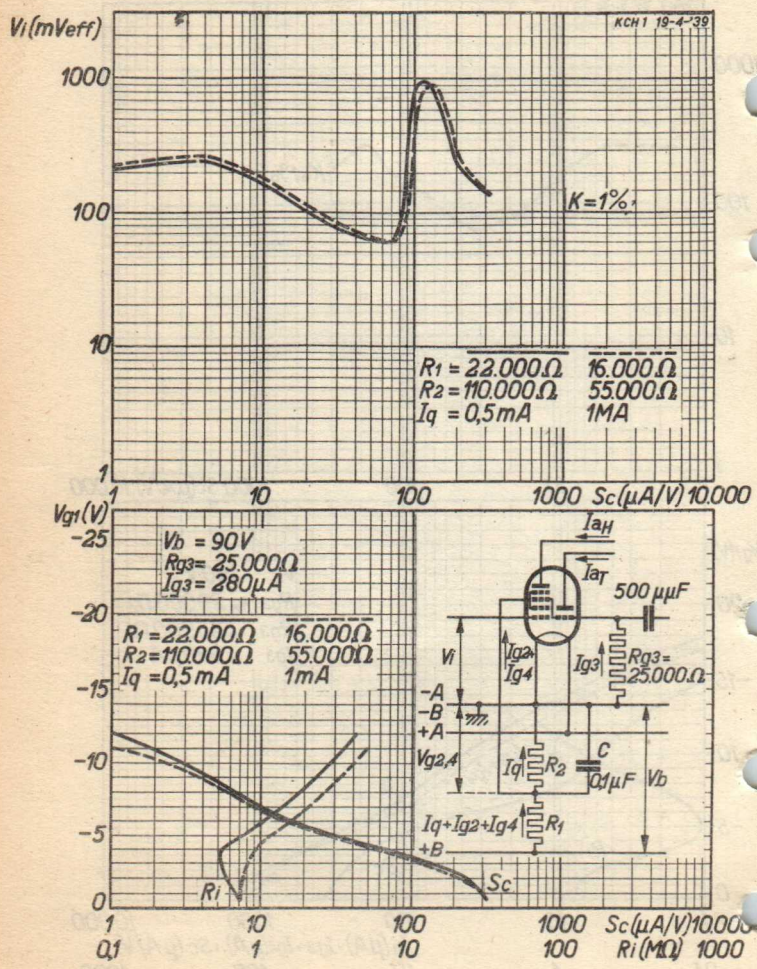

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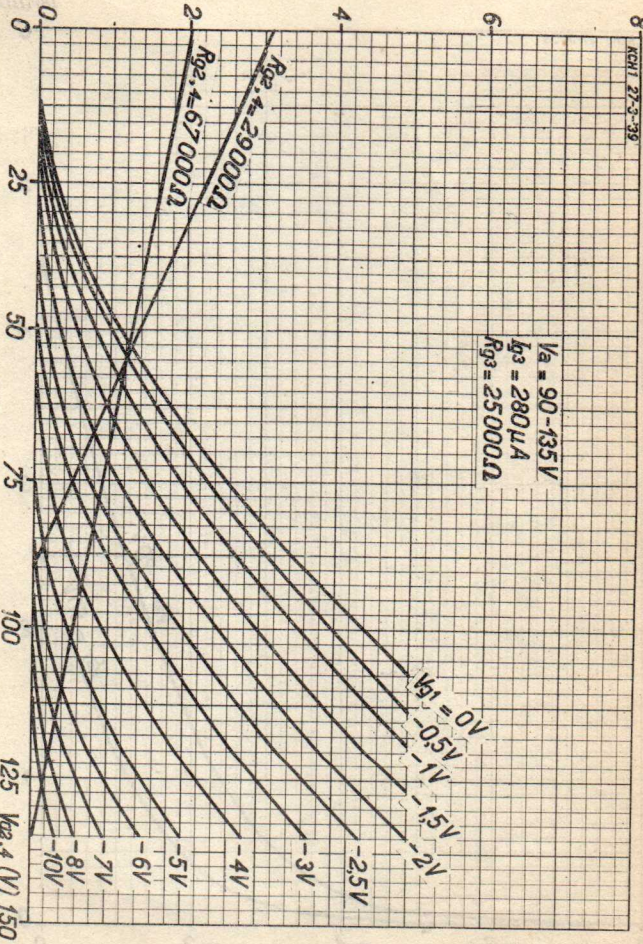

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