

PENTODE for use as R.F., I.F. or video amplifying valve or mixing valve in television receivers

PENTHODE pour l'utilisation en amplificatrice H.F., M.F. ou vidéo ou en convertisseuse dans des récepteurs de télévision

PENTODE zur Verwendung als H.F.-, Z.F.- oder Bildverstärkerröhre oder als Mischröhre in Fernsehempfängern

Heating: indirect by A.C. or D.C.; series or parallel supply

Chauffage: indirect par C.A. ou C.C.; alimentation en parallèle ou en série

Heizung: indirekt durch Wechsel- oder Gleichstrom; Serien- oder Parallelspeisung

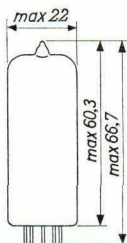
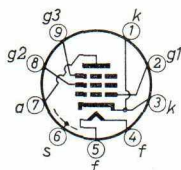
$V_f = 6,3 \text{ V}$

$I_f = 300 \text{ mA}$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: NOVAL

Capacitances

Capacités

Kapazitäten

$C_{g1} = 6,9 \text{ pF}$

$C_a = 3,1 \text{ pF}$

$C_{ag1} < 0,007 \text{ pF}$

$C_{ak} < 0,012 \text{ pF}$

$C_{g2} = 5,4 \text{ pF}$

$C_{g1g2} = 2,6 \text{ pF}$

$C_{g1f} < 0,15 \text{ pF}$

$C_{kf} = 5,0 \text{ pF}$

Operating characteristics as R.F. amplifier
 Caractéristiques d'utilisation en amplificatrice H.F.
 Betriebsdaten als H.F. Verstärker

V_a	=	170	200	250	V
V_{g3}	=	0	0	0	V
V_{g2}	=	170	200	250	V
V_{g1}	=	-2,0	-2,55	-3,5	V
I_a	=	10	10	10	mA
I_{g2}	=	2,5	2,6	2,8	mA
S	=	7,4	7,1	6,8	mA/V
R_i	=	0,5	0,55	0,65	MΩ
μ_{g2g1}	=	50	50	50	
R_{eq}	=	1000	1100	1200	Ω
$r_{g1} \text{ } ^1)$	=	10	12	15	kΩ

Remark When using the EF 80 as video amplifier the amplification between the input grid of the EF 80 and the input of the cathode ray tube should not exceed a value of 25, in order to prevent microphonic effect.

Observation En utilisant le EF 80 en amplificatrice vidéo l'amplification entre la grille de commande du EF 80 et l'entrée du tube à rayons cathodiques ne dépassera pas une valeur de 25, afin de prévenir l'effet microphonique.

Bemerkung Wenn die EF 80 als Bildverstärker gebraucht wird soll zur Vermeidung des mikrofonischen Effektes die Verstärkung zwischen dem Eingangsgitter und dem Eingang der Kathodenstrahlröhre einen Wert von 25 nicht überschreiten.

¹⁾ Input resistance at 50 Mc/s; pin 1 connected to pin 3
 Résistance d'entrée à 50 Mc/s; broche 1 connectée à broche 3
 Eingangswiderstand bei 50 MHz; Stift 1 verbunden mit Stift 3

Limiting values
Caractéristiques limites
Grenzdaten

V_{ao}	=	max.	550 V
V_a	=	max.	300 V
W_a	=	max.	2,5 W
V_{g2o}	=	max.	550 V
V_{g2}	=	max.	300 V
W_{g2}	=	max.	0,7 W ¹⁾
I_k	=	max.	15 mA
$-V_{g1}$ ($I_{g1} = + 0,3 \mu A$)	=	max.	1,3 V
R_{g1}	=	max.	1 M Ω
V_{kf}	=	max.	150 V
R_{kf}	=	max.	20 k Ω

¹⁾ For $W_a \leq 1,8$ W, W_{g2} may amount up to 0,9 W
Pour $W_a \leq 1,8$ W, W_{g2} peut s'augmenter jusqu'à 0,9 W
Für $W_a \leq 1,8$ W darf W_{g2} max. 0,9 W sein

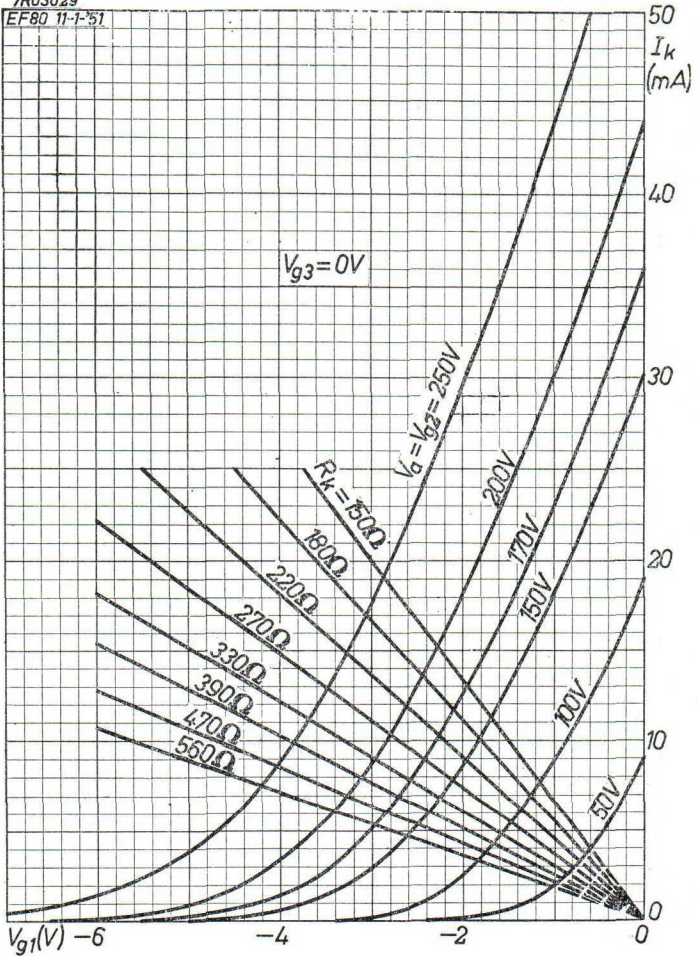
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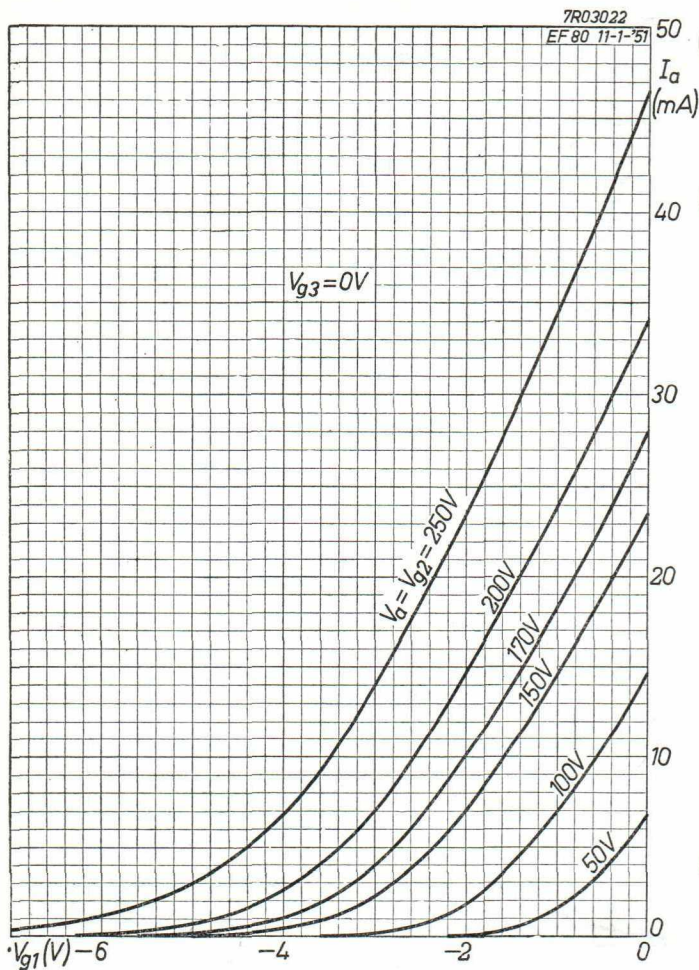
EF 80

7R03029
EF80 11-1-51



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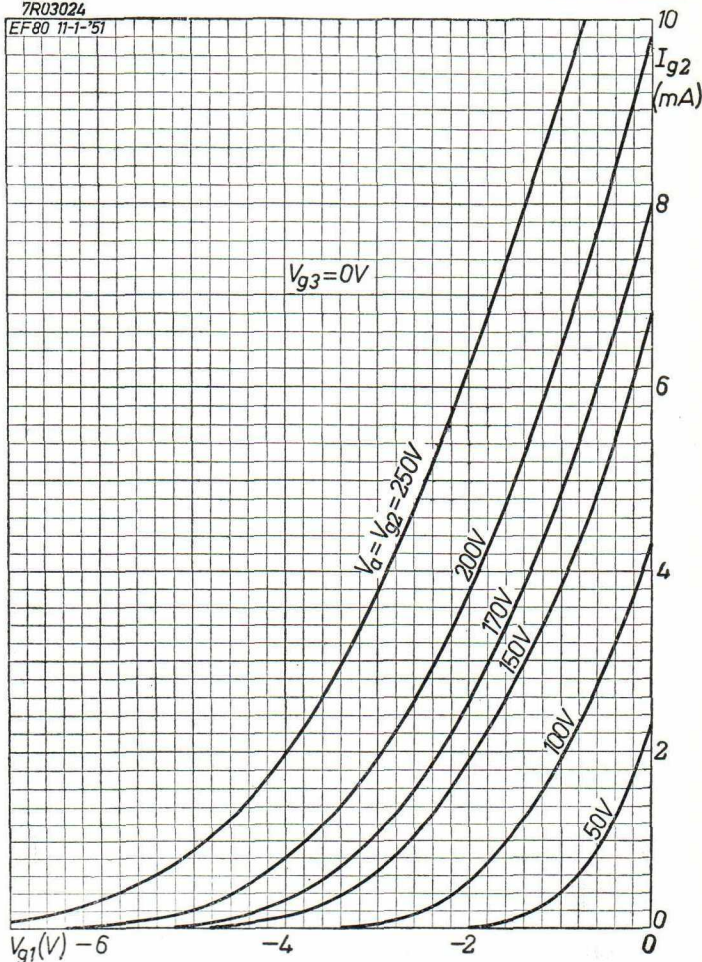
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EF 80

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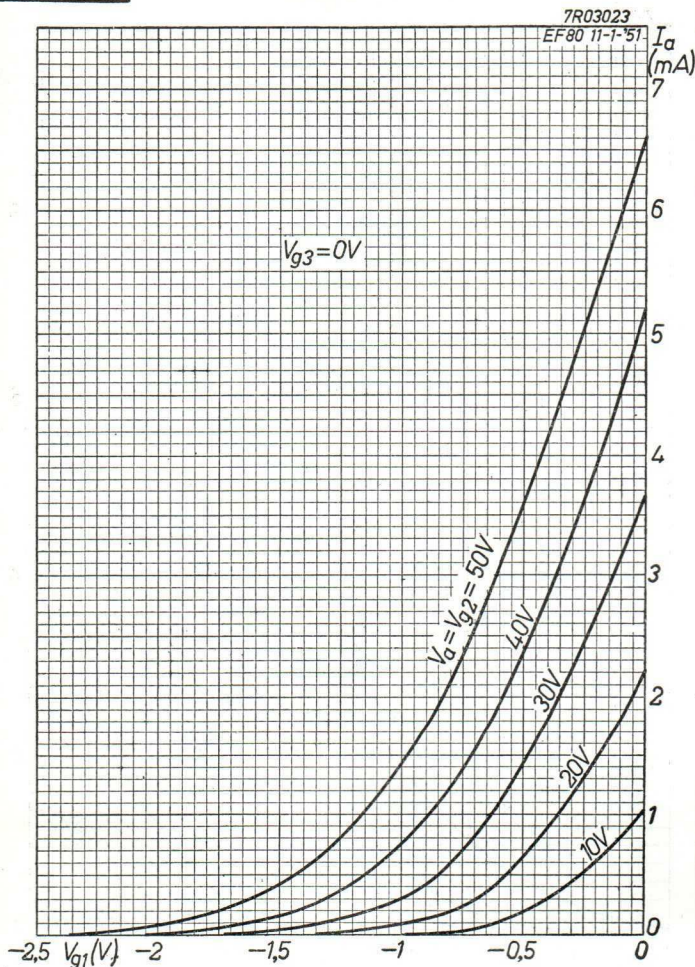


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EF 80

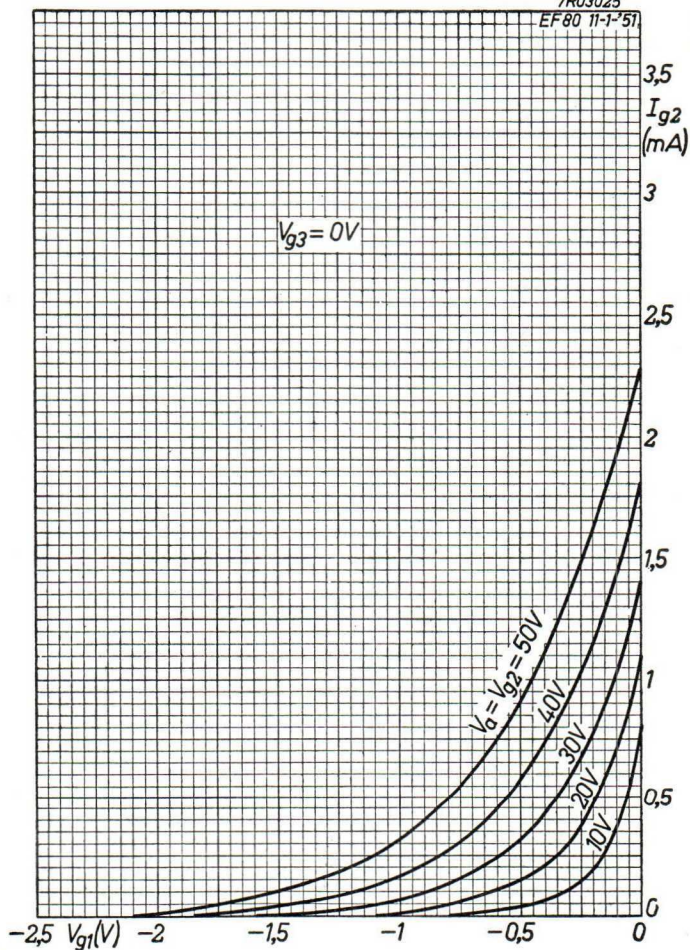
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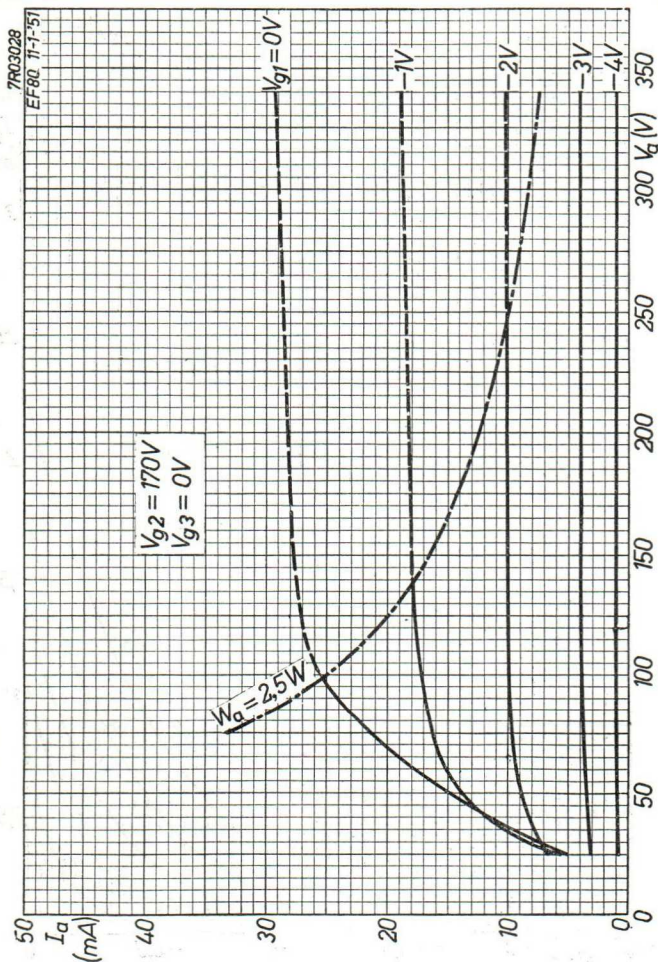
EF 80

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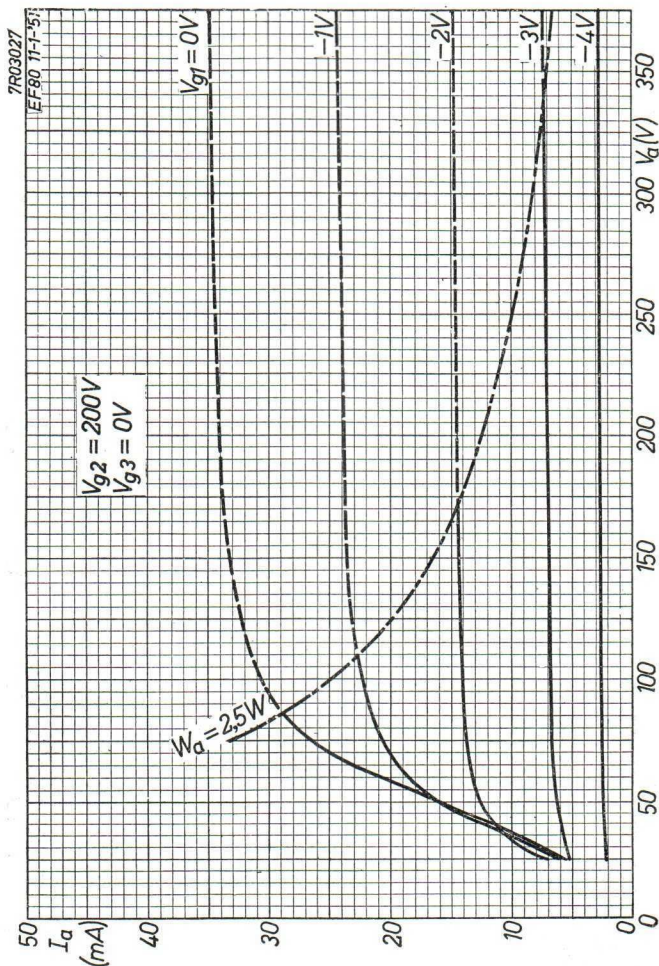
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EF 80

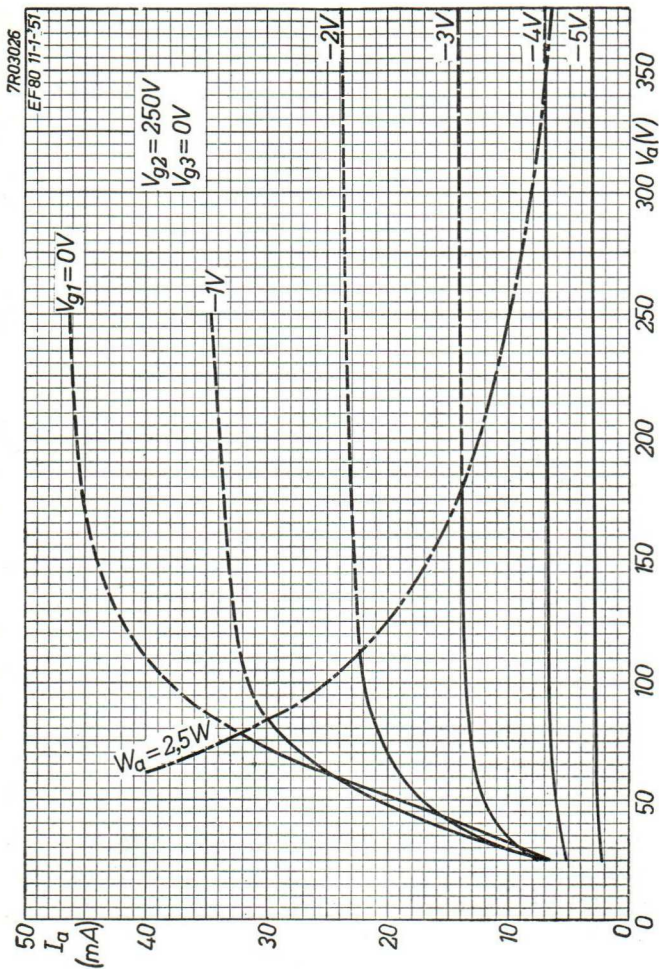


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EF 80

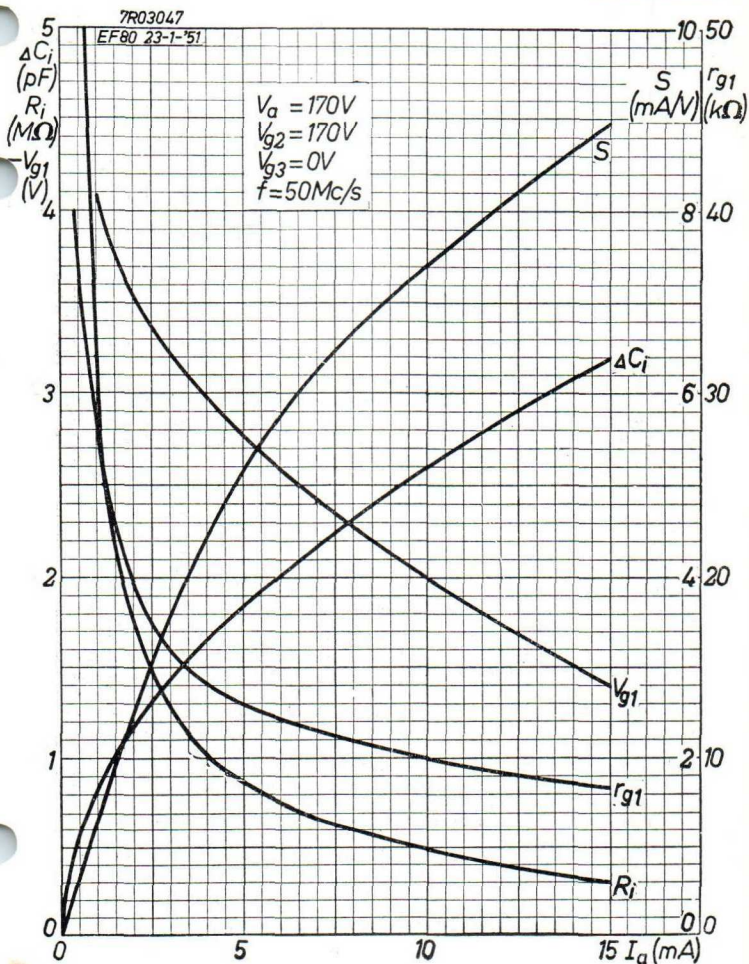
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EF 80



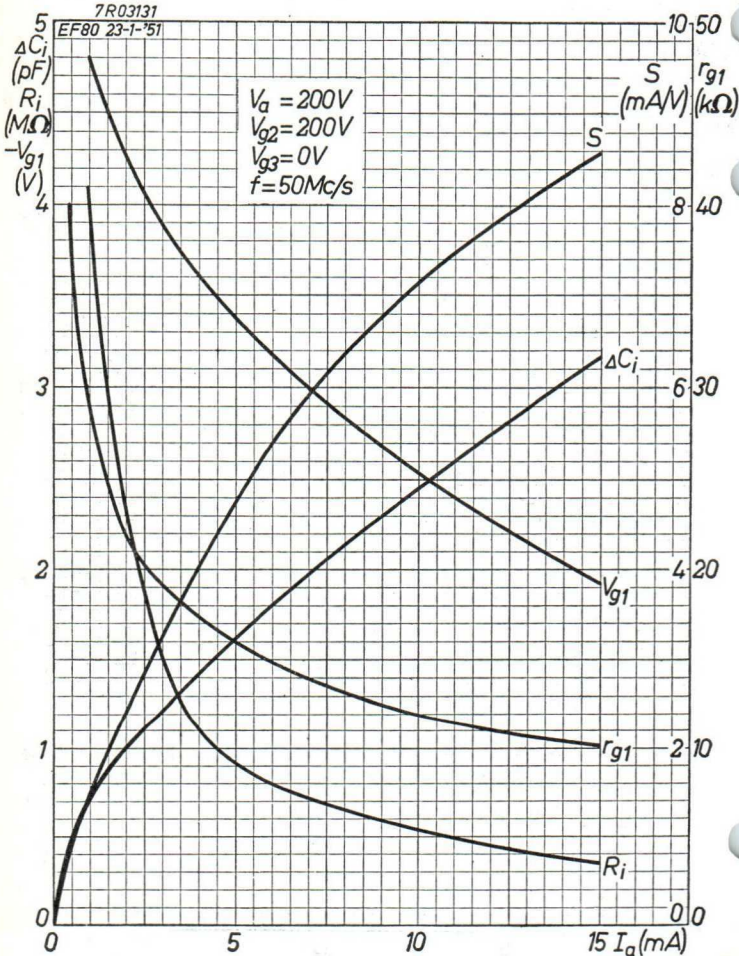
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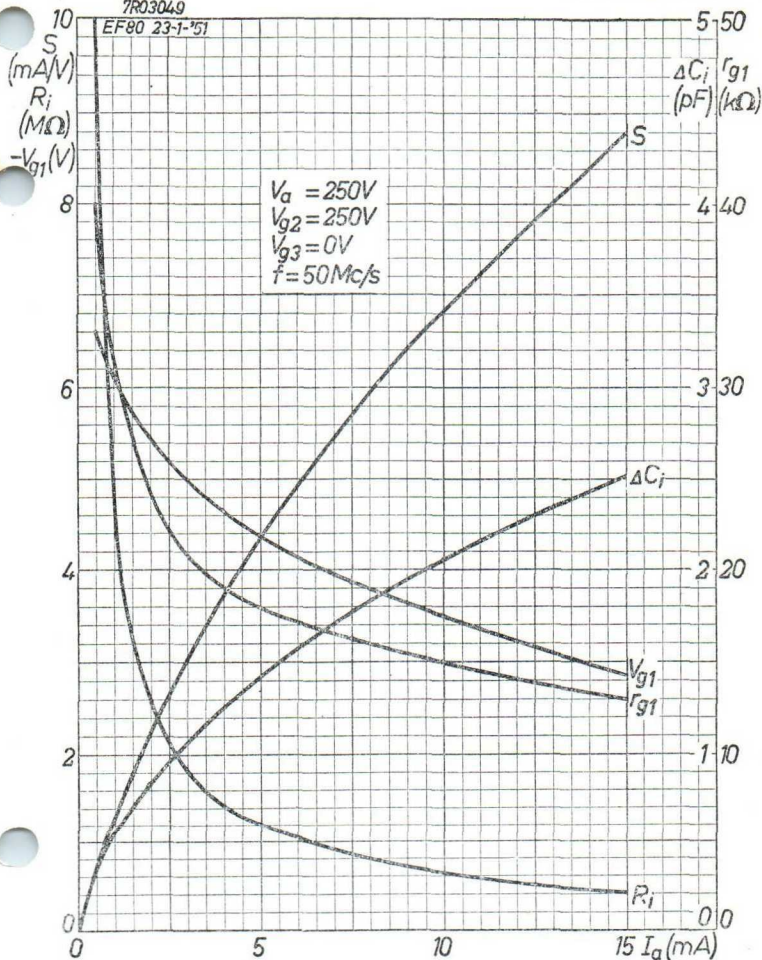


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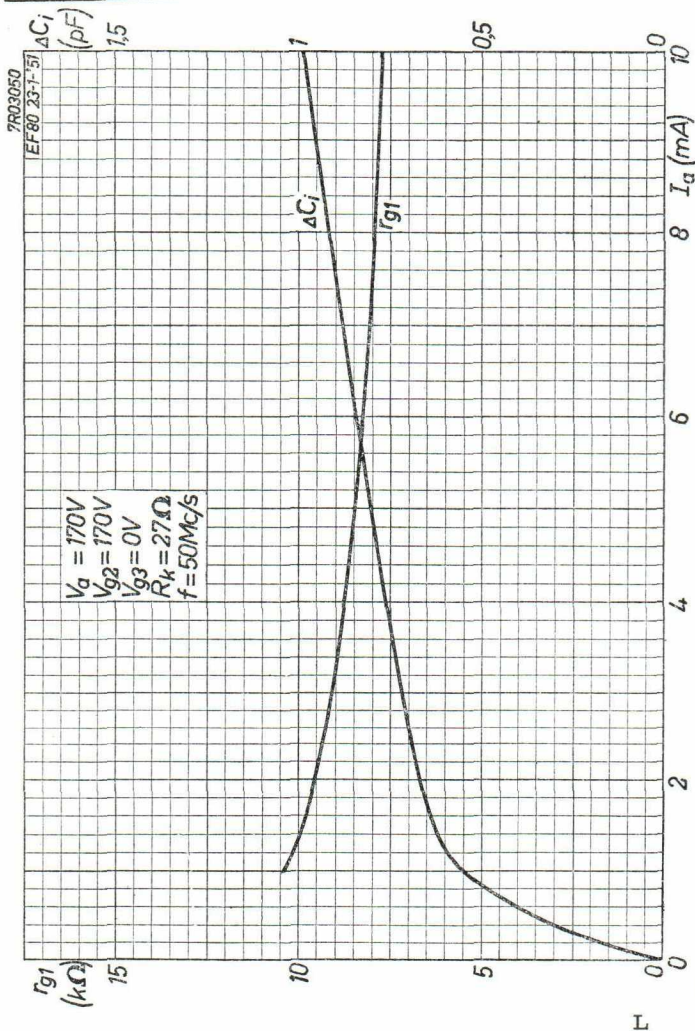
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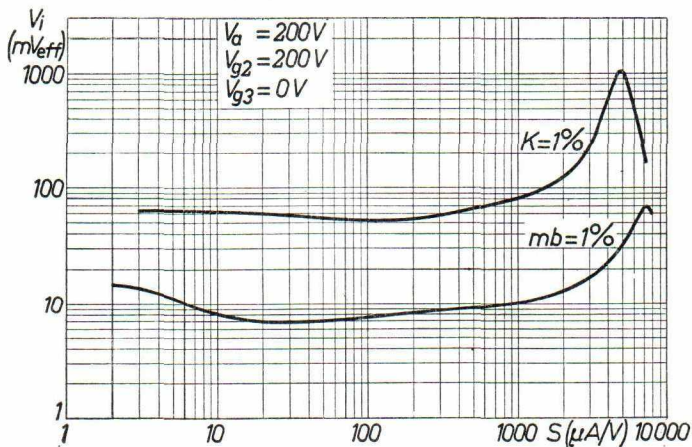
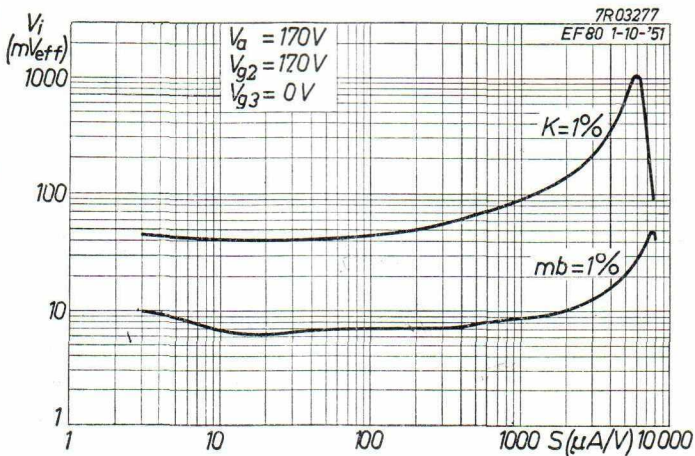
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