

# Mullard OUTPUT PENTODE

# EL3

Heater  $V_f = 6.3 \text{ V}$   
 $I_f = 0.9 \text{ A}$  ←

Capacities  $C_{ag1} < 0.8 \mu\text{F}$

## Operating Conditions as Pentode

Va .....	250	V
Vg2 .....	250	V
Ia .....	36	mA
-Vg1 .....	8	V
Ig2 .....	4	mA
S (Ia = 36 mA) .....	9	mA/V
R1 (Ia = 36 mA) .....	50,000	ohms
g (g2g1) .....	23	
Wo .....	4.5	W
Ra .....	7,000	ohms
Vg1eff .....	4.2	V
Vg1eff (50 mW) .....	0.33	V
dtot .....	10	%
Rk .....	150	ohms

## Operating Conditions for 2 valves in push-pull

Va .....	250	V
Vg2 .....	250	V
Iao .....	2x24	mA
Ia max .....	2x28.5	mA
Ig2o .....	2x2.8	mA
Ig2 max .....	2x4.6	mA
Rk .....	140	ohms
Ra .....	10,000	ohms
Wo .....	8.2	W
Vg1eff .....	6.7	V
dtot .....	3.1	%

## Operating Conditions as Triode (g2 connected to anode)

Va .....	250	V
Ia .....	20	mA
-Vg .....	8.5	V
S .....	6.5	mA/V
g .....	20	
R1 .....	3,000	ohms
Rk .....	425	ohms
Ra .....	7,000	ohms
Wo .....	1.1	W
dtot .....	5	%
Vg1eff .....	5.9	V
Vg1eff (50 mW) .....	1.1	V

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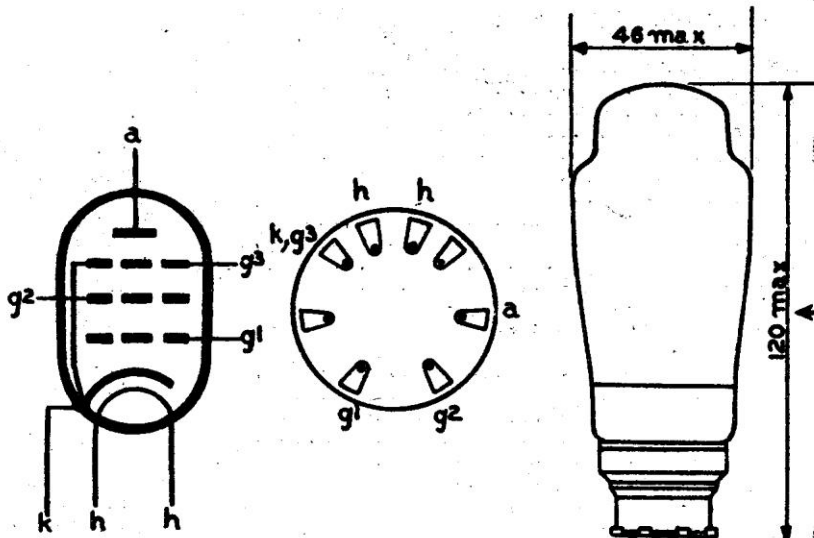
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### Limiting Values

$V_{a0}$ .....	550 V
$V_a$ max .....	250 V
$W_a$ max .....	9 W
$V_{g20}$ max .....	550 V
$V_{g2}$ max .....	275 V
$W_{g2}$ max ( $V_{g1eff} = 0$ ) .....	1.2 W
$W_{g2}$ max ( $W_o$ max) .....	2.5 W
$I_k$ max .....	55 mA
$V_{g1}$ max ( $I_{g1} = 0.3 \mu A$ ) .....	-1.3 V
$R_{g1a}$ max .....	1 M $\Omega$
$V_{fk}$ max .....	50 V
$R_{fk}$ max .....	5,000 ohms

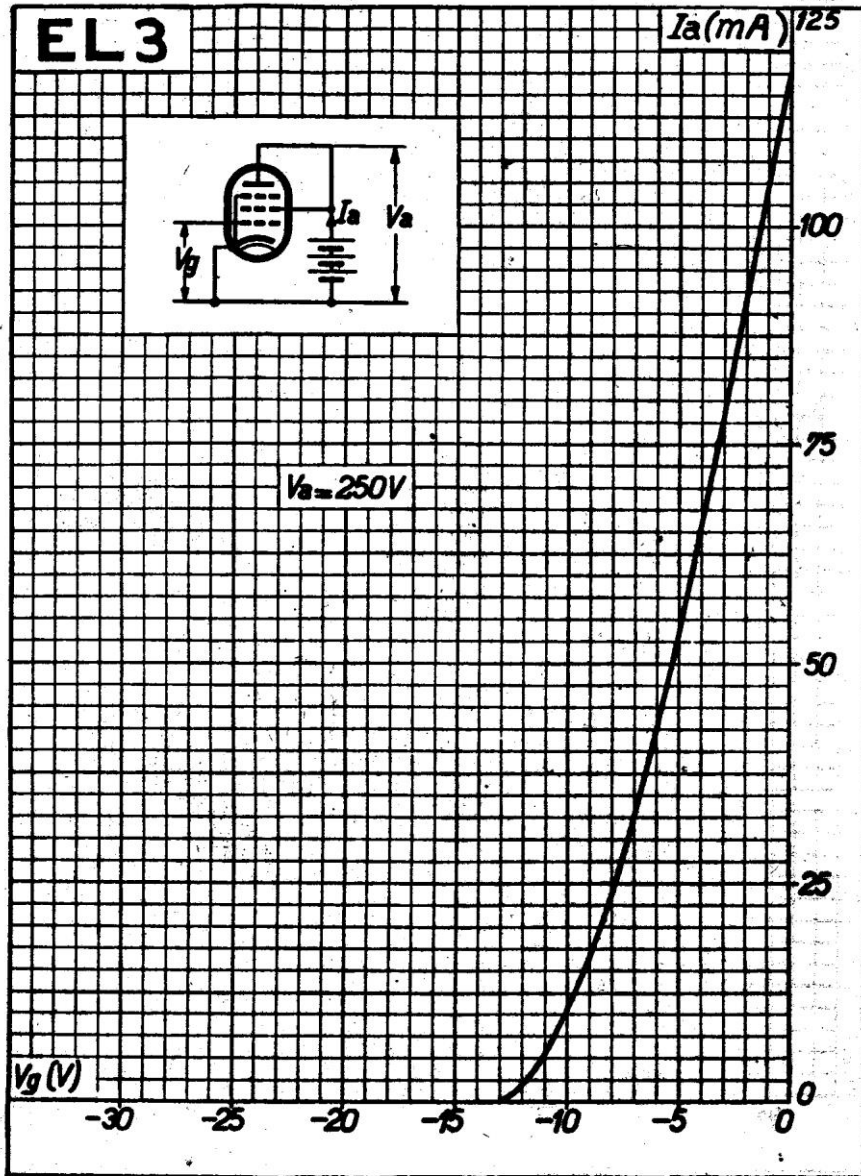
### Arrangement of electrodes and base connections



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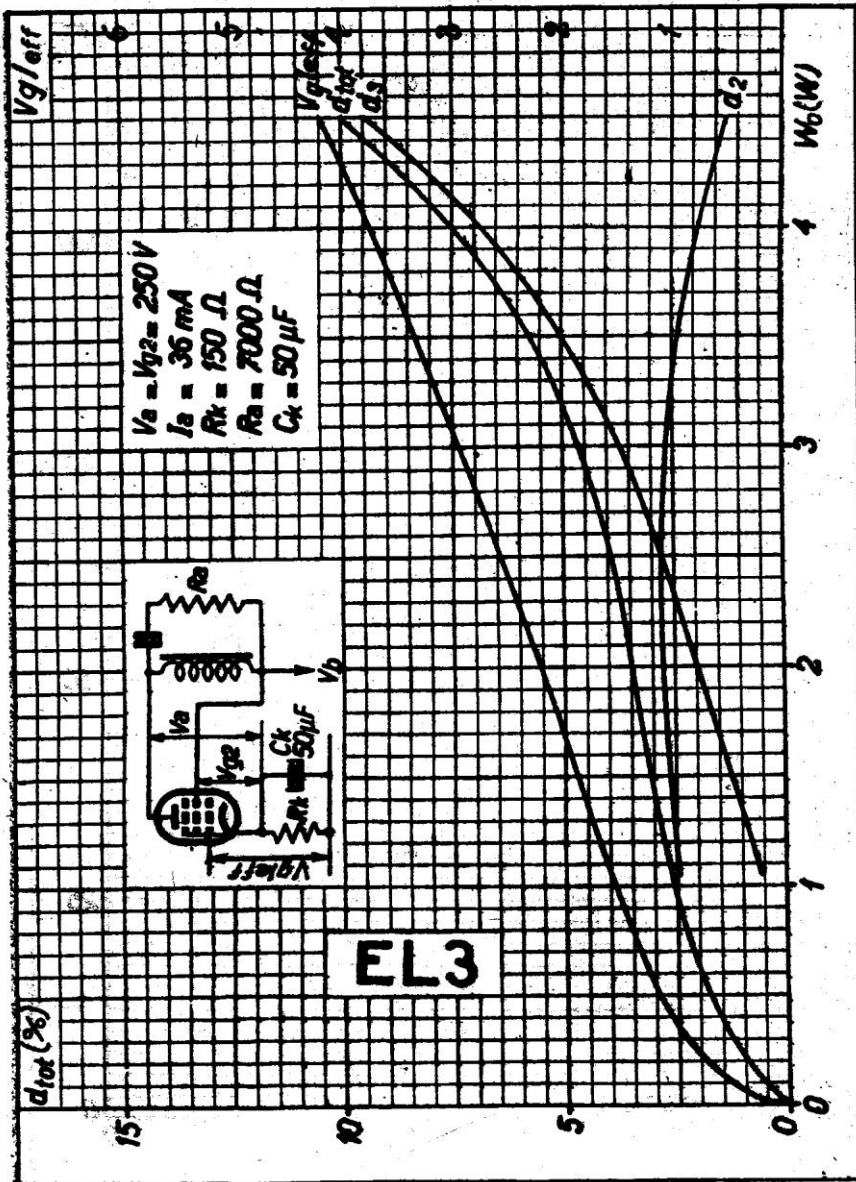
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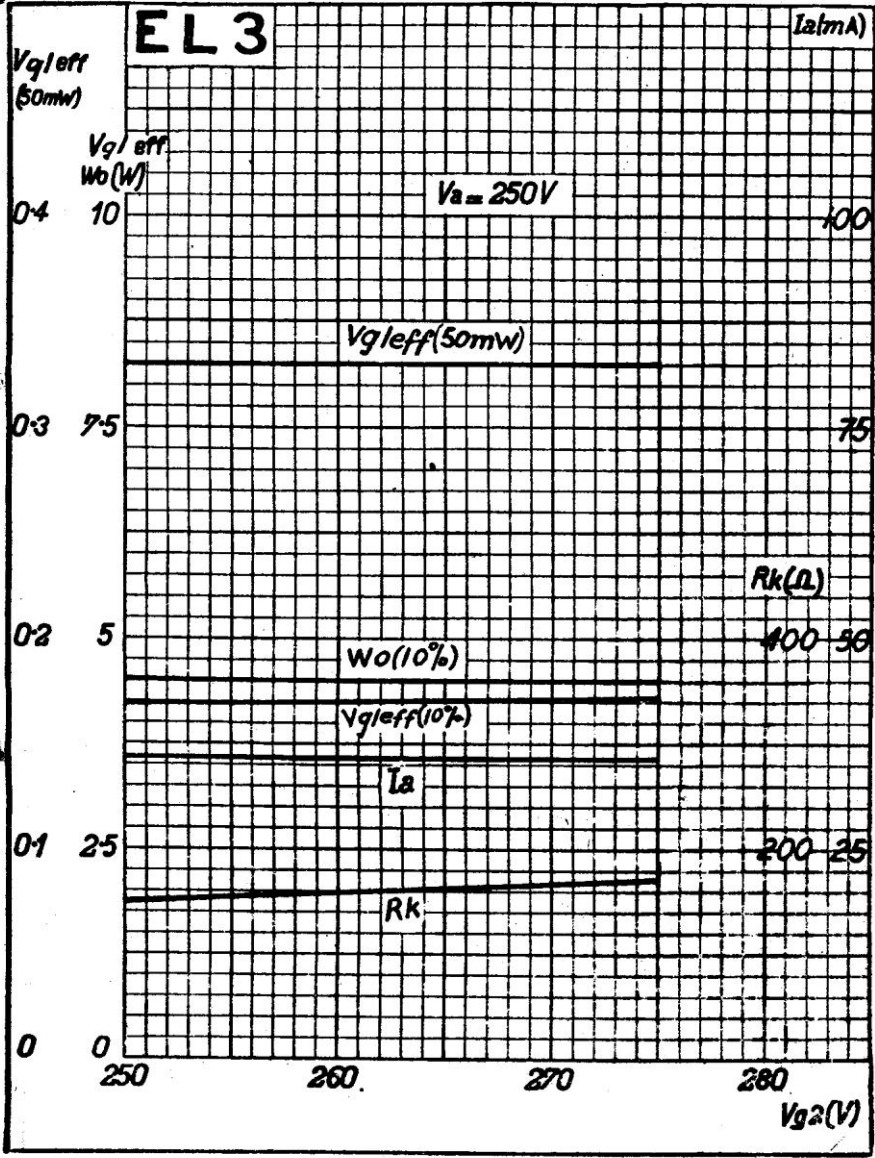
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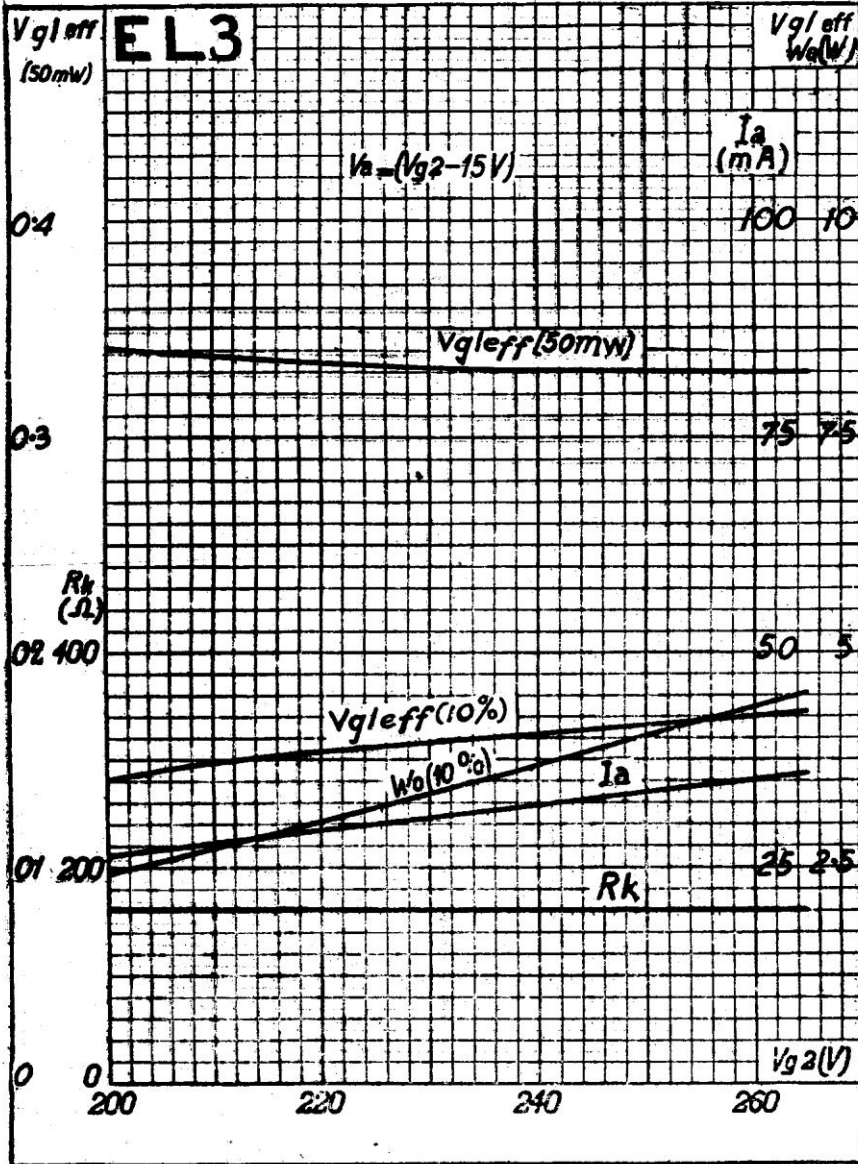
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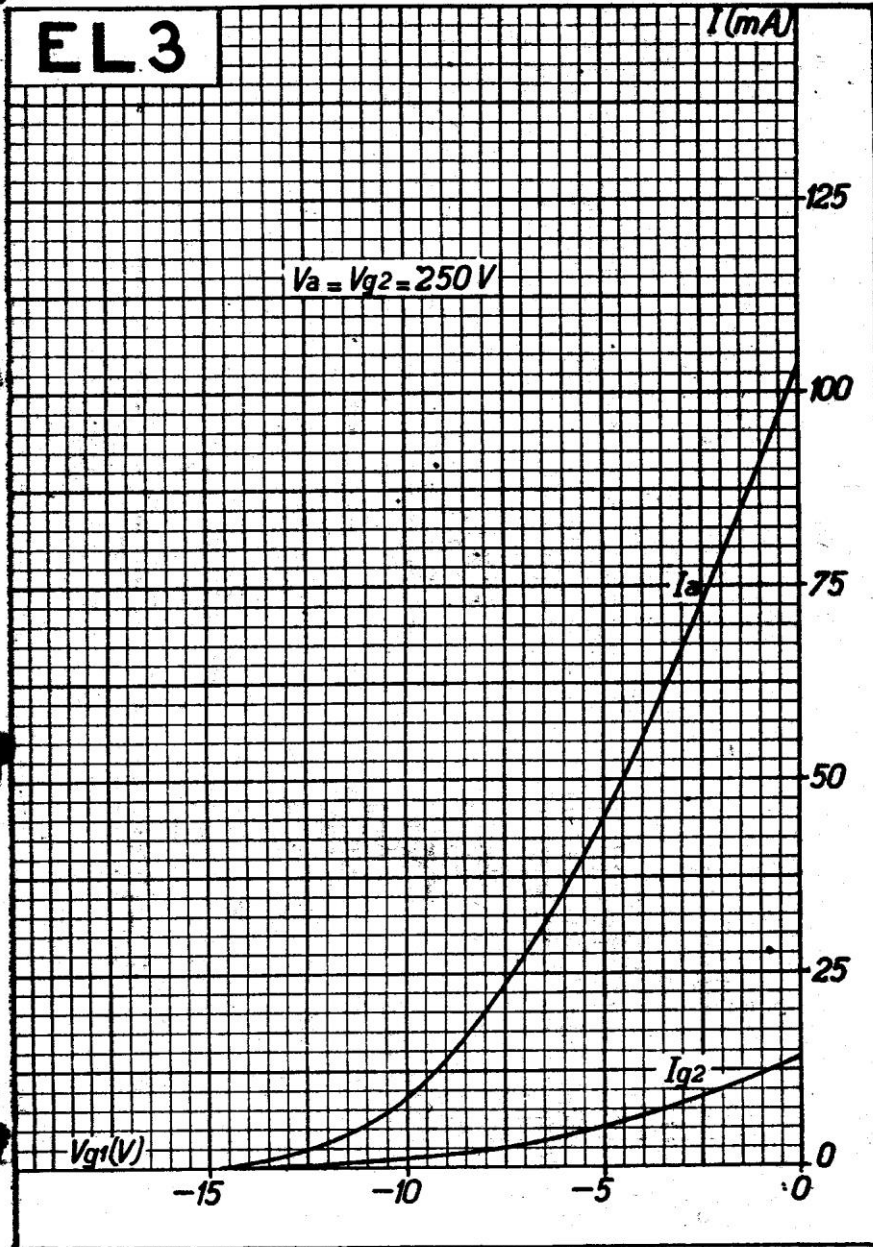
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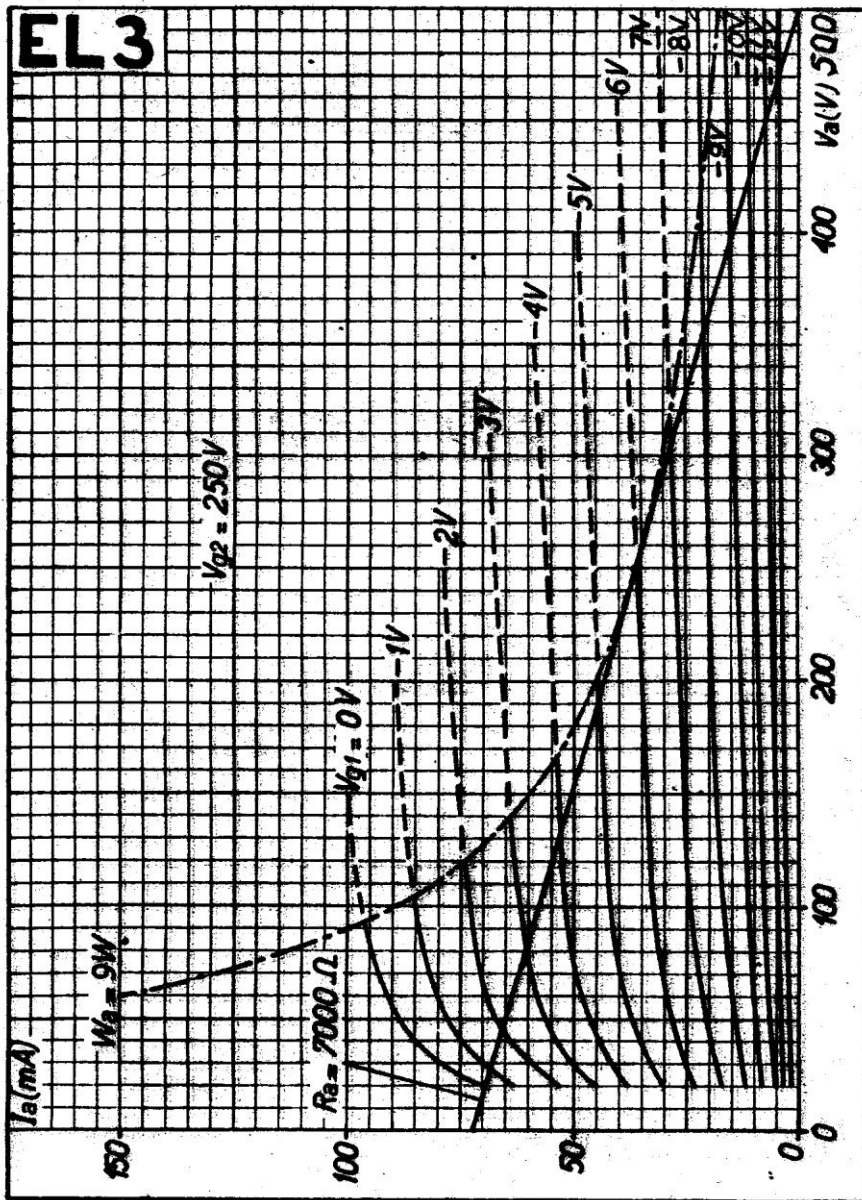
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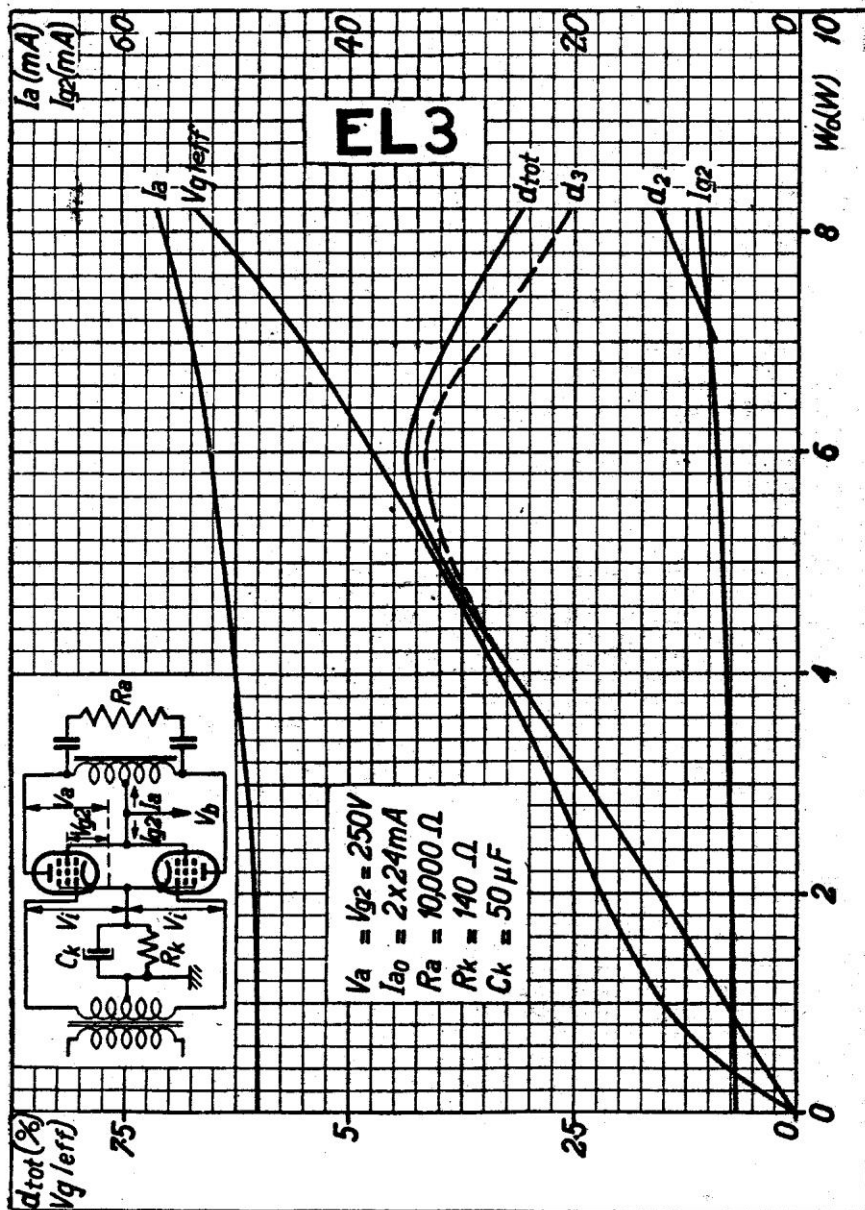


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