

Mullard

OUTPUT PENTODE

CL6

Heater (This valve is suitable
for DC/AC operation.)

Vf = 35 V

If = 0.2 A

Capacity

Cagl < 0.5 μ F

Operating Conditions

Va	100	200	V
Vg2	100	100	V
Ia	50	45	mA
-Vg1	8.3	9.5	V
Ig2	9	5.5	mA
S	8.5	8	mA/V
Ri	12,000	19,000	ohms
g (g2g1)	7	6.5	
Wo	2.1	4	W
Ra	2,000	4,500	ohms
Vg1 eff	5.6	5.6	V
Vg1 eff (Wo = 50 mW)	0.62	0.47	V
dtot	10	10	%
Rk	140	190	ohms

Operating Conditions for 2 valves in push-pull

Va	100	250	V
Vg2	100	125	V
Iao	2 x 42	2 x 36	mA
Ia max	2 x 42	2 x 42.5	mA
Ig2o	2 x 7.5	2 x 4.1	mA
Ig2 max	2 x 12.5	2 x 12.5	mA
Rk	2 x 190	2 x 365	ohms
Ra	3,000	7,000	ohms
Wo	4	13.5	W
dtot (Wo max)	5.6	6.3	%
Vg1 eff (Wo max)	6.7	13.7	V

CL6

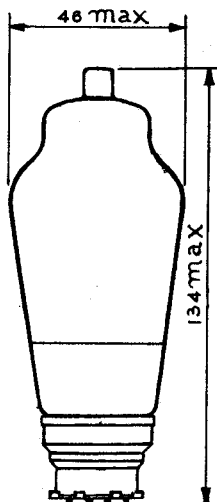
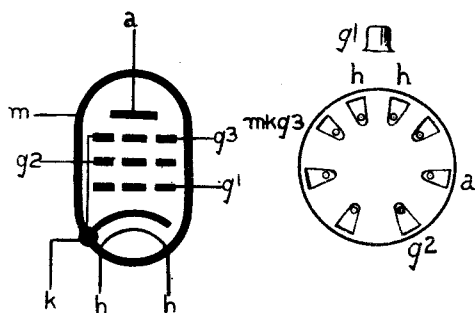
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Limiting Values.

V _{ao} max	550	V
V _a max	250	V
I _a max	9	W
V _{g2o} max	550	V
V _{g2} max	125	V
W _{g2} max (V _{g1} eff = 0)	.....	1	W
W _{g2} max (W _o max)	.....	1.5	W
I _{g2} max (I _a = 50 mA, V _{g2} = 100 V)	.....	11.5	mA
I _{g2} min (I _a = 50 mA, V _{g2} = 100 V)	.....	7.5	mA
I _{g2} max (I _a = 45 mA, V _{g2} = 100 V)	.....	7.0	mA
I _{g2} min (I _a = 45 mA, V _{g2} = 100 V)	.....	4.0	mA
I _k max	.....	70	mA
V _{g1} max (I _{g1} = +0.3 uA)	.....	-1.3	V
R _{g1a} max	.....	1	Megohm
V _{fk} max	175	V
R _{fk} max	5,000	ohms

Arrangement of electrodes and base connections

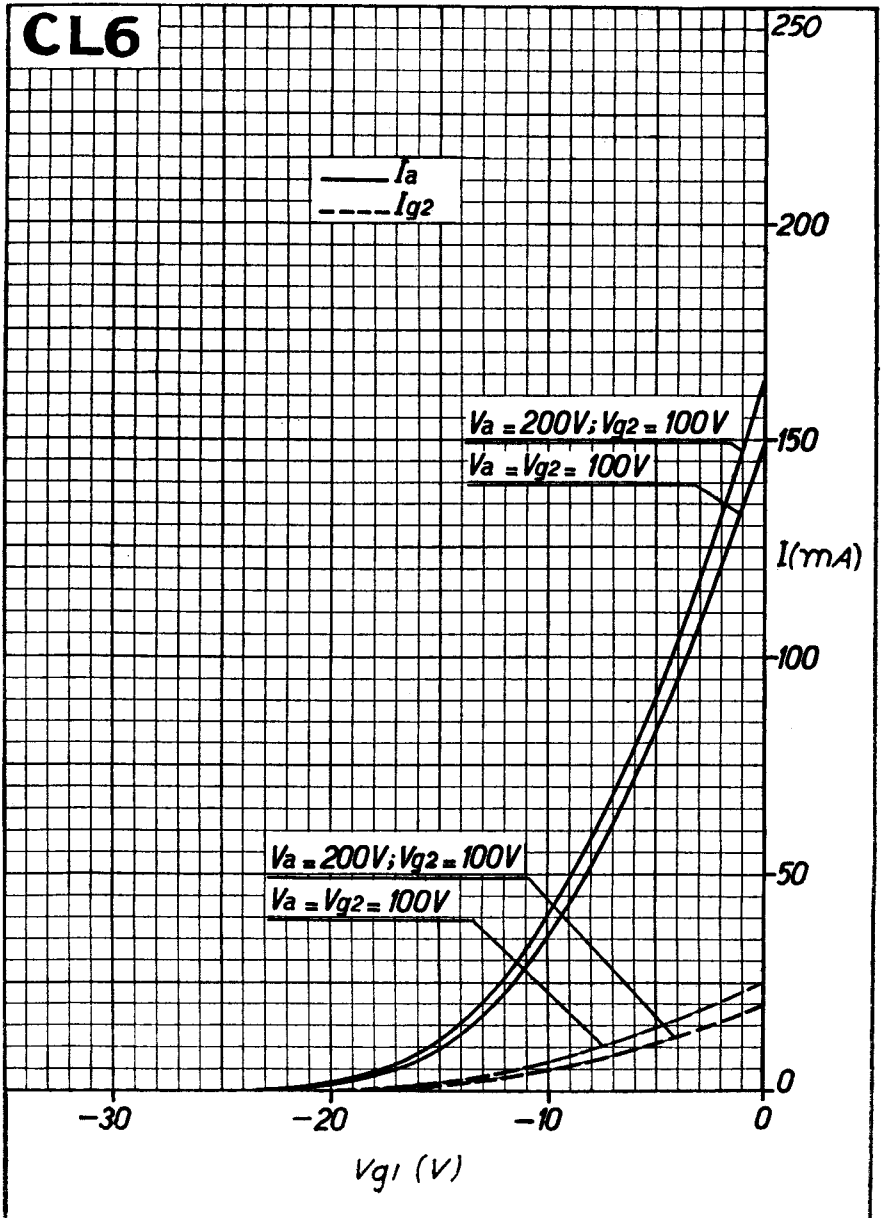


CL6

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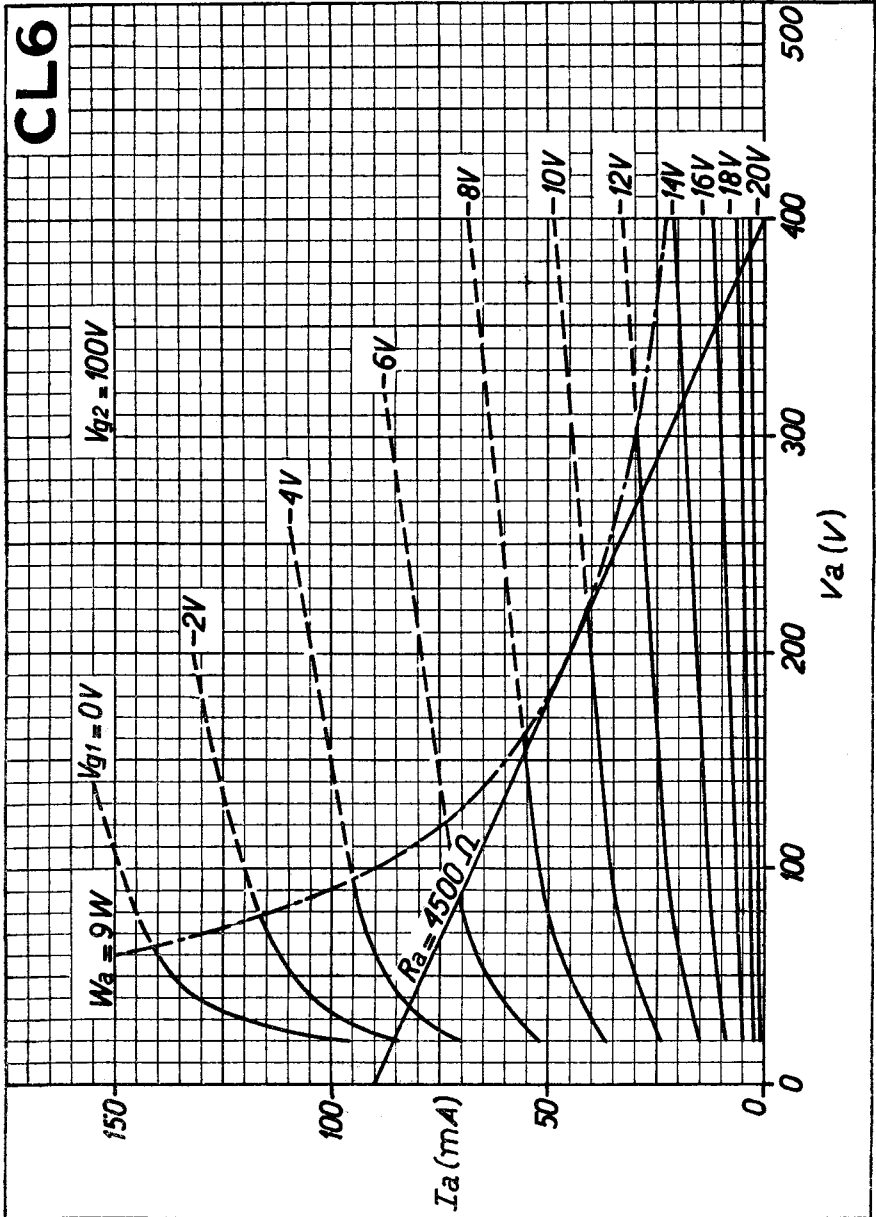
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CL6



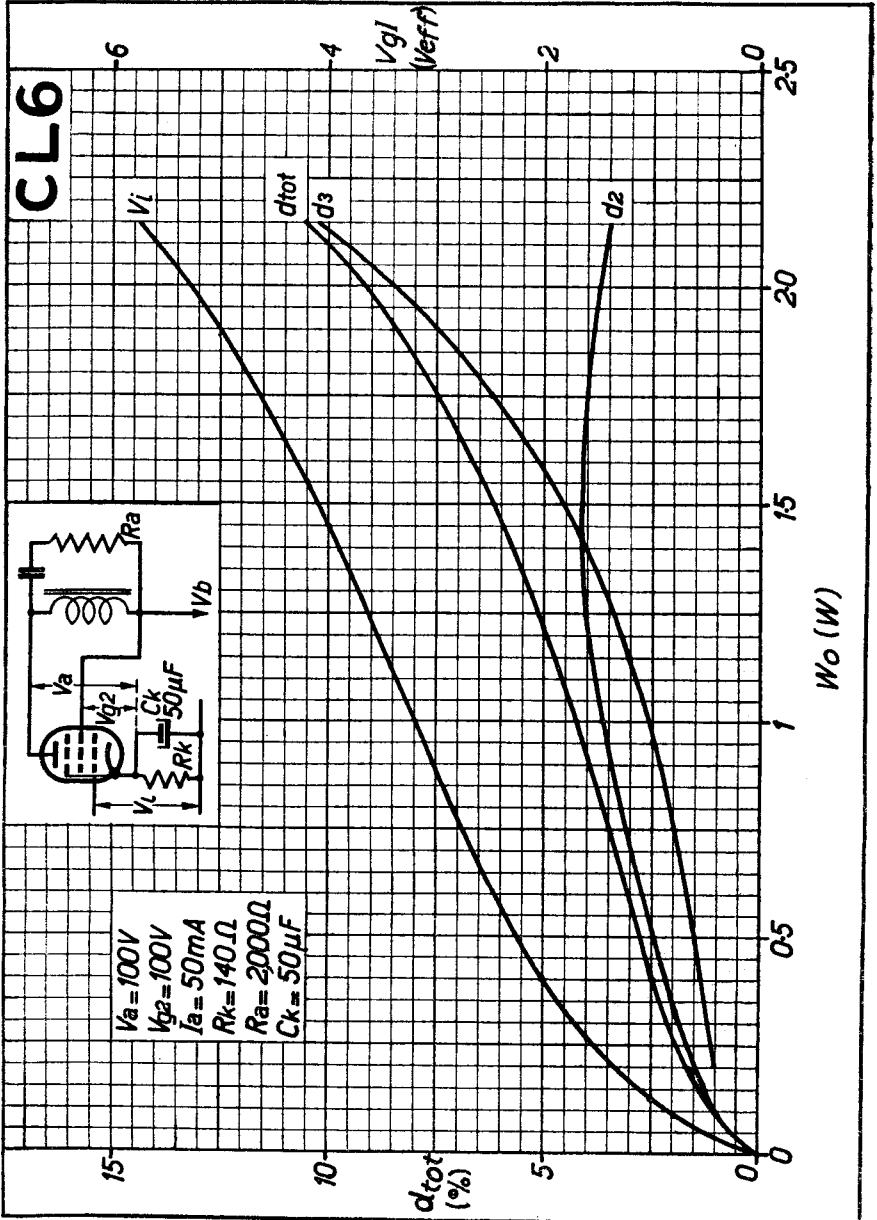
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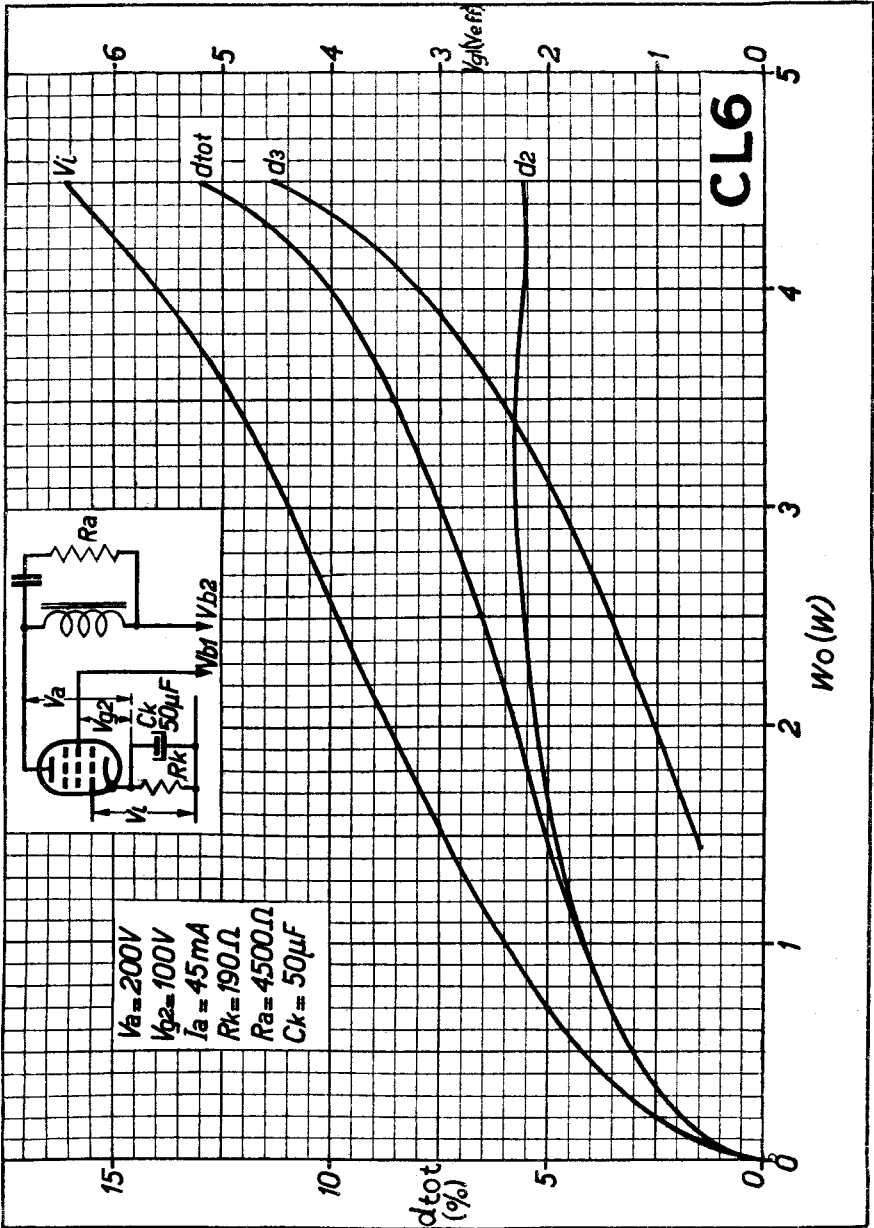
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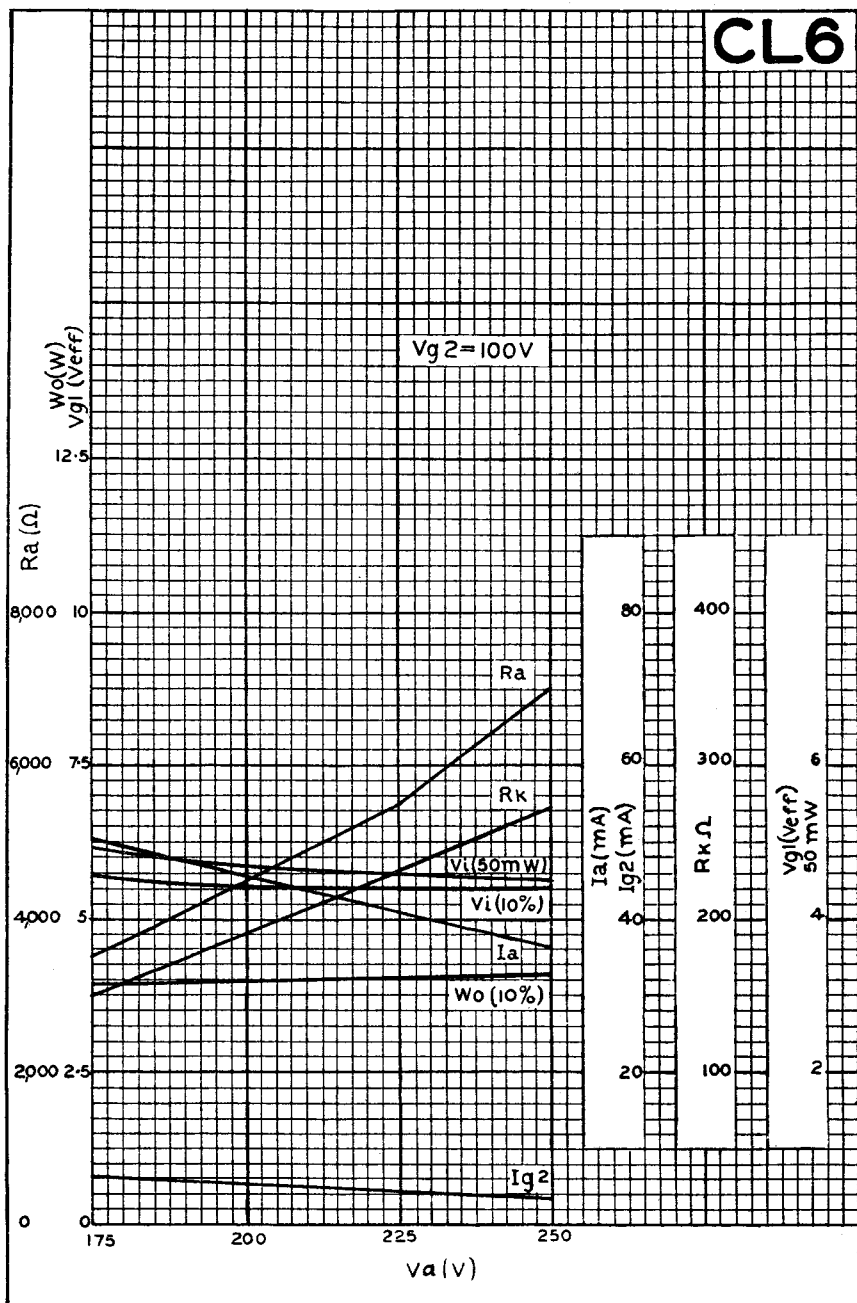
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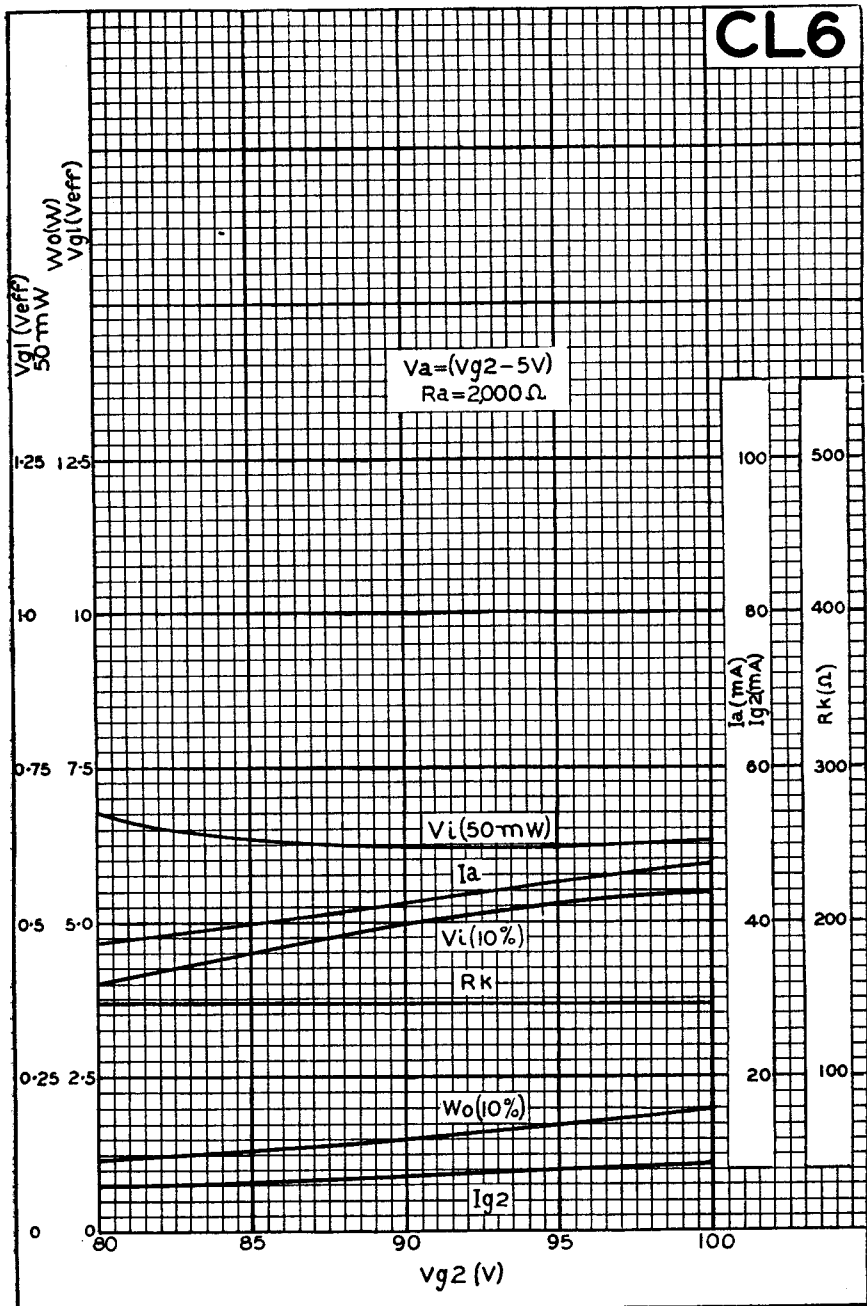
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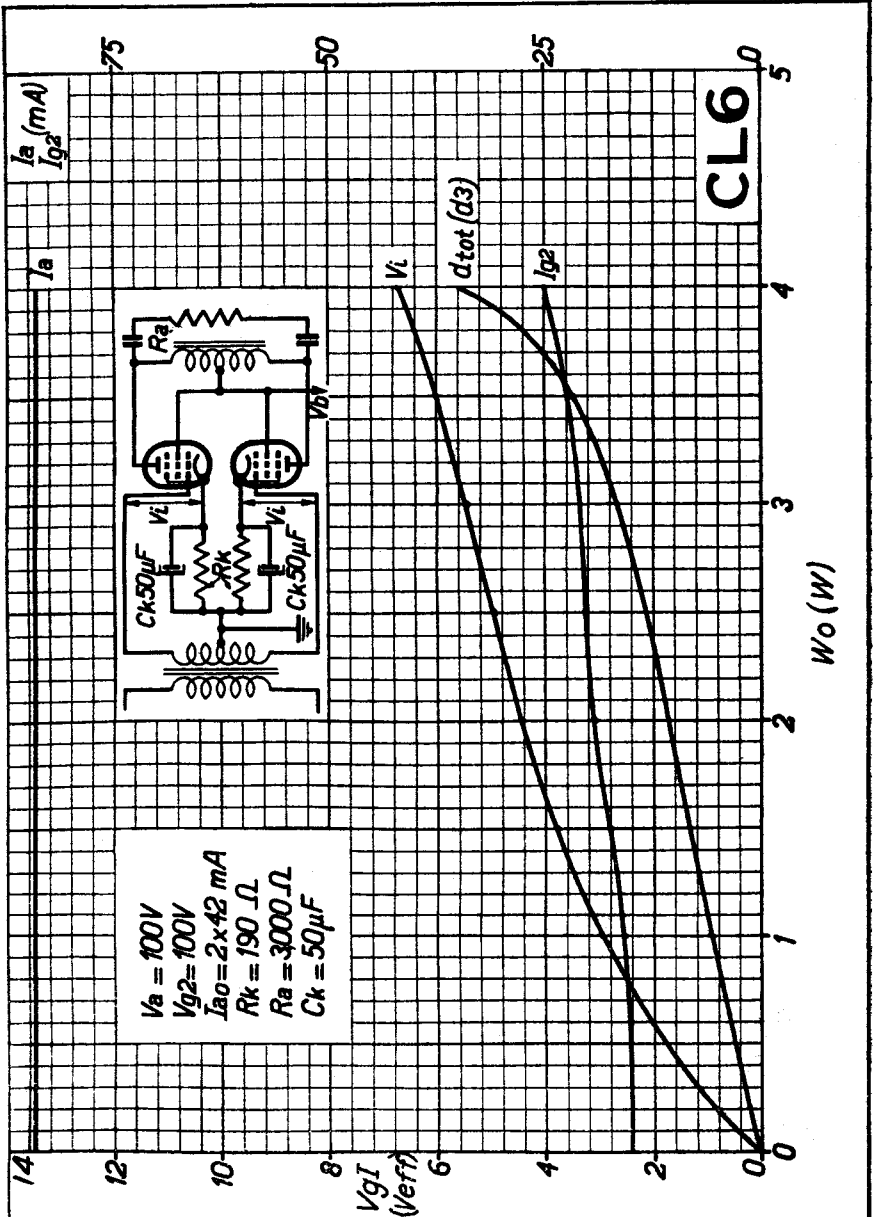
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