

Mullard

OUTPUT PENTODE

CL6

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

$V_f = 35 \text{ V}$
 $I_f = 0.2 \text{ A}$

Capacity

$C_{ag1} < 0.5 \text{ } \mu\text{F}$

Operating Conditions

V_a	100	200	V
V_{g2}	100	100	V
I_a	50	45	mA
$-V_{g1}$	8.3	9.5	V
I_{g2}	9	5.5	mA
S	8.5	8	mA/V
R_i	12,000	19,000	ohms
$g (g_{2g1})$	7	6.5	
W_o	2.1	4	W
R_a	2,000	4,500	ohms
$V_{g1} \text{ eff}$	5.6	5.6	V
$V_{g1} \text{ eff} (W_o = 50 \text{ mW})$	0.62	0.47	V
d_{tot}	10	10	%
R_k	140	190	ohms

Operating Conditions for 2 valves in push-pull

V_a	100	250	V
V_{g2}	100	125	V
I_{a0}	2 x 42	2 x 36	mA
$I_a \text{ max}$	2 x 42	2 x 42.5	mA
I_{g20}	2 x 7.5	2 x 4.1	mA
$I_{g2} \text{ max}$	2 x 12.5	2 x 12.5	mA
R_k	2 x 190	2 x 365	ohms
R_a	3,000	7,000	ohms
W_o	4	13.5	W
$d_{tot} (W_o \text{ max})$	5.6	6.3	%
$V_{g1} \text{ eff} (W_o \text{ max})$	6.7	13.7	V

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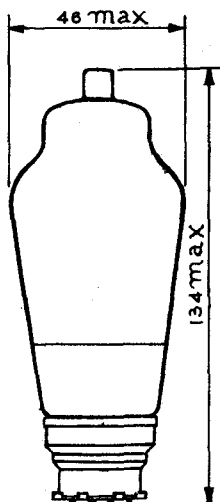
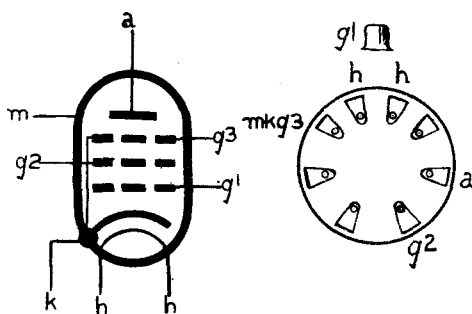
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Limiting Values.

V _{ao} max		550	V
V _a max		250	V
W _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

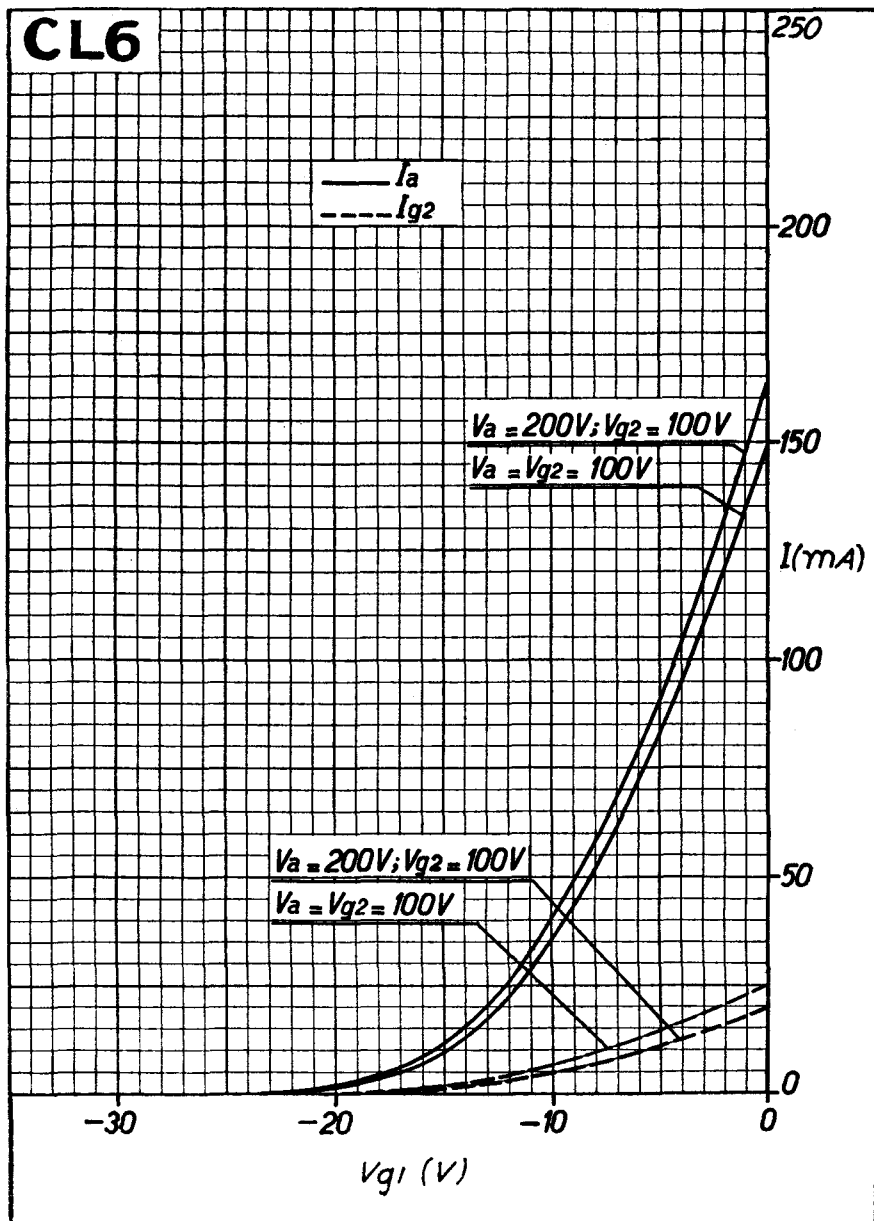


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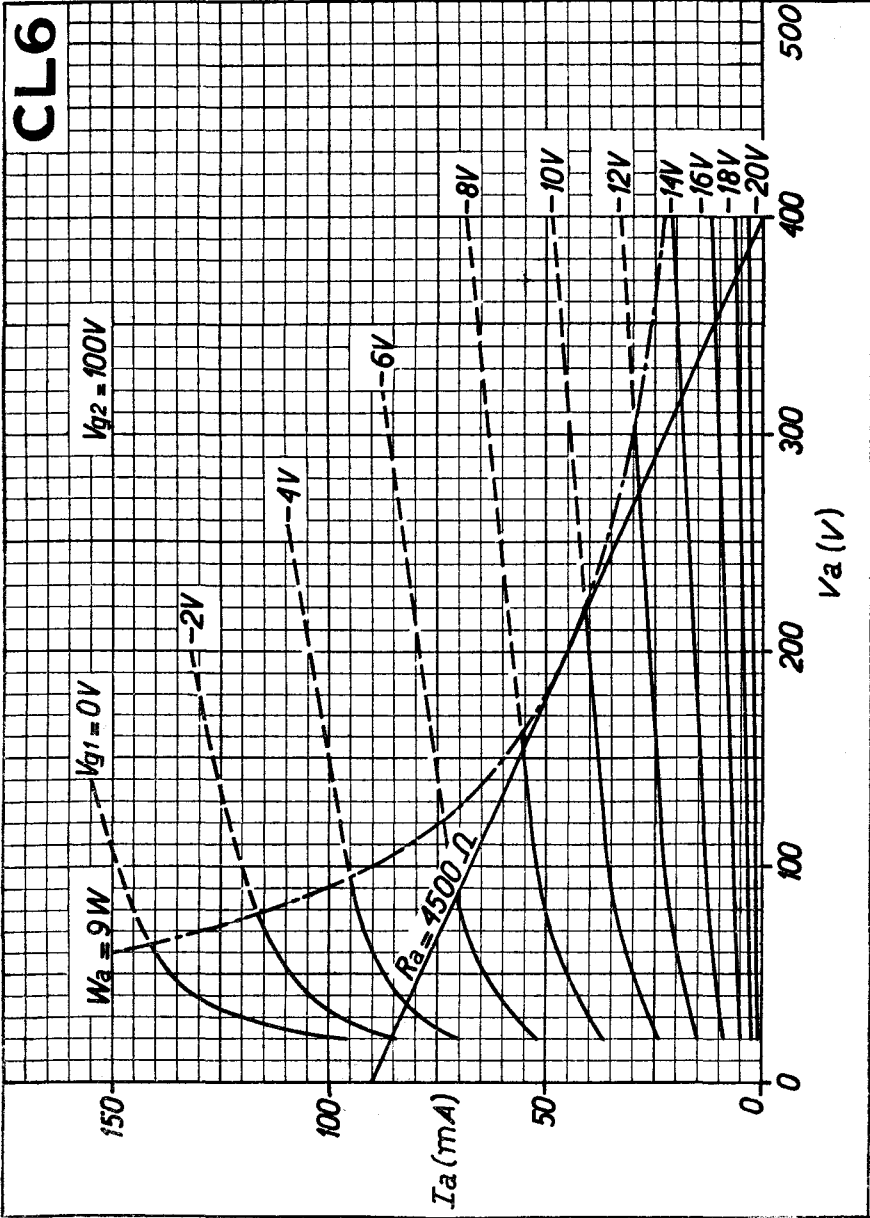
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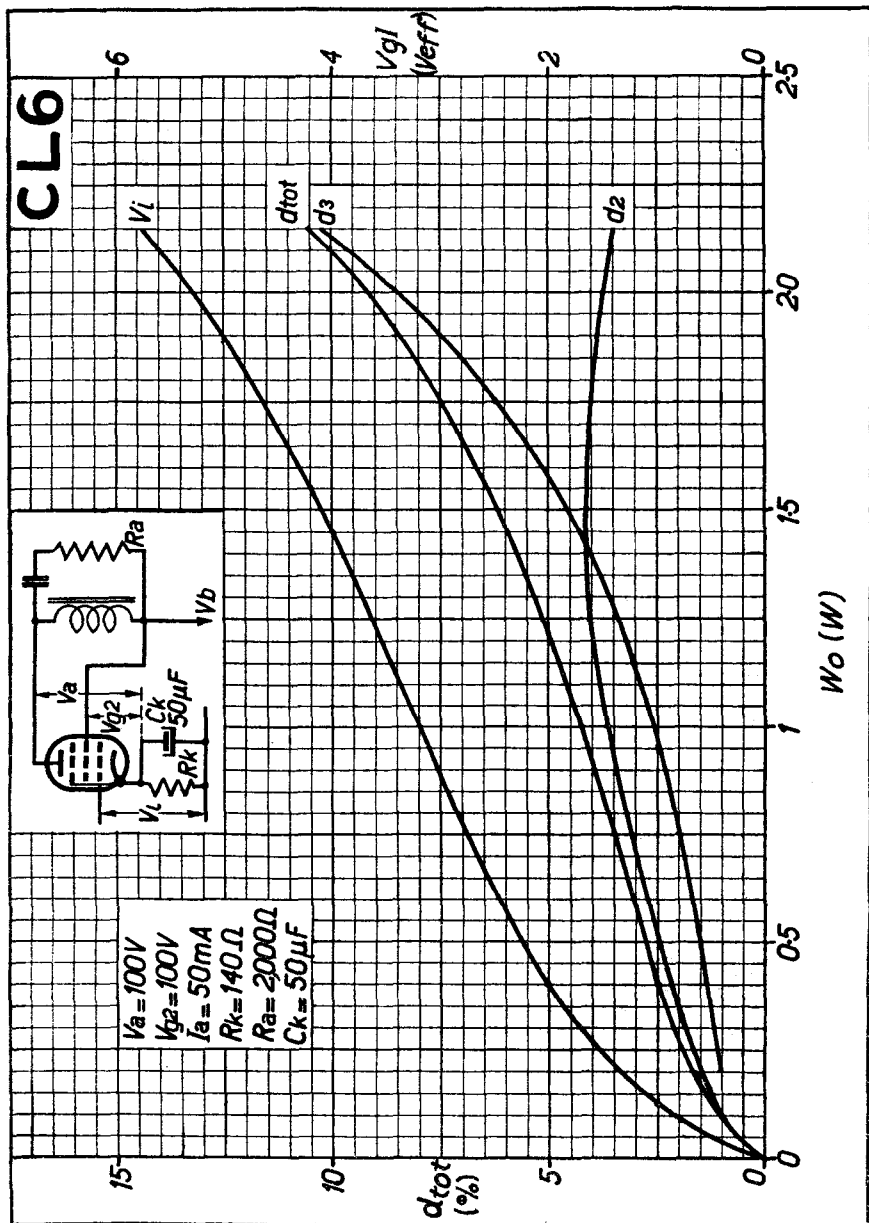
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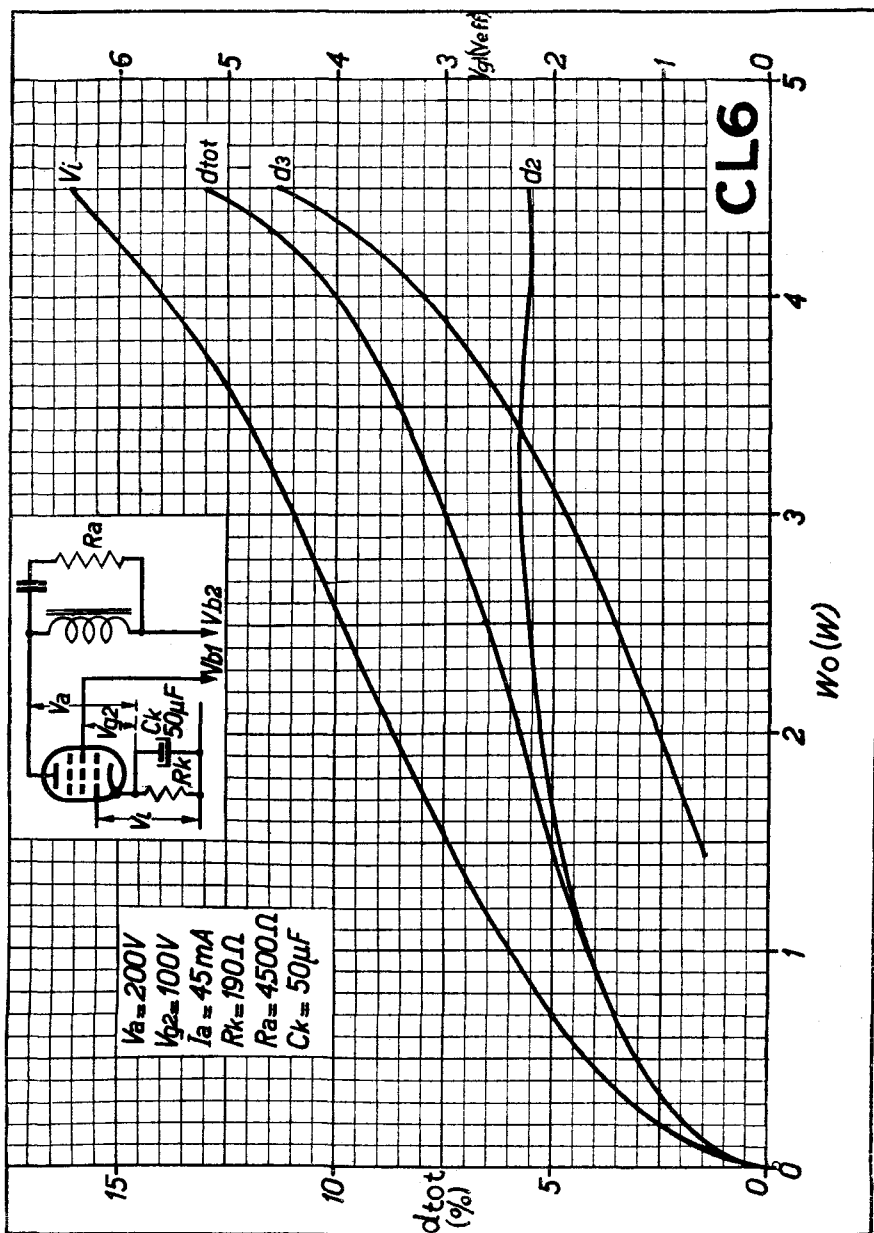
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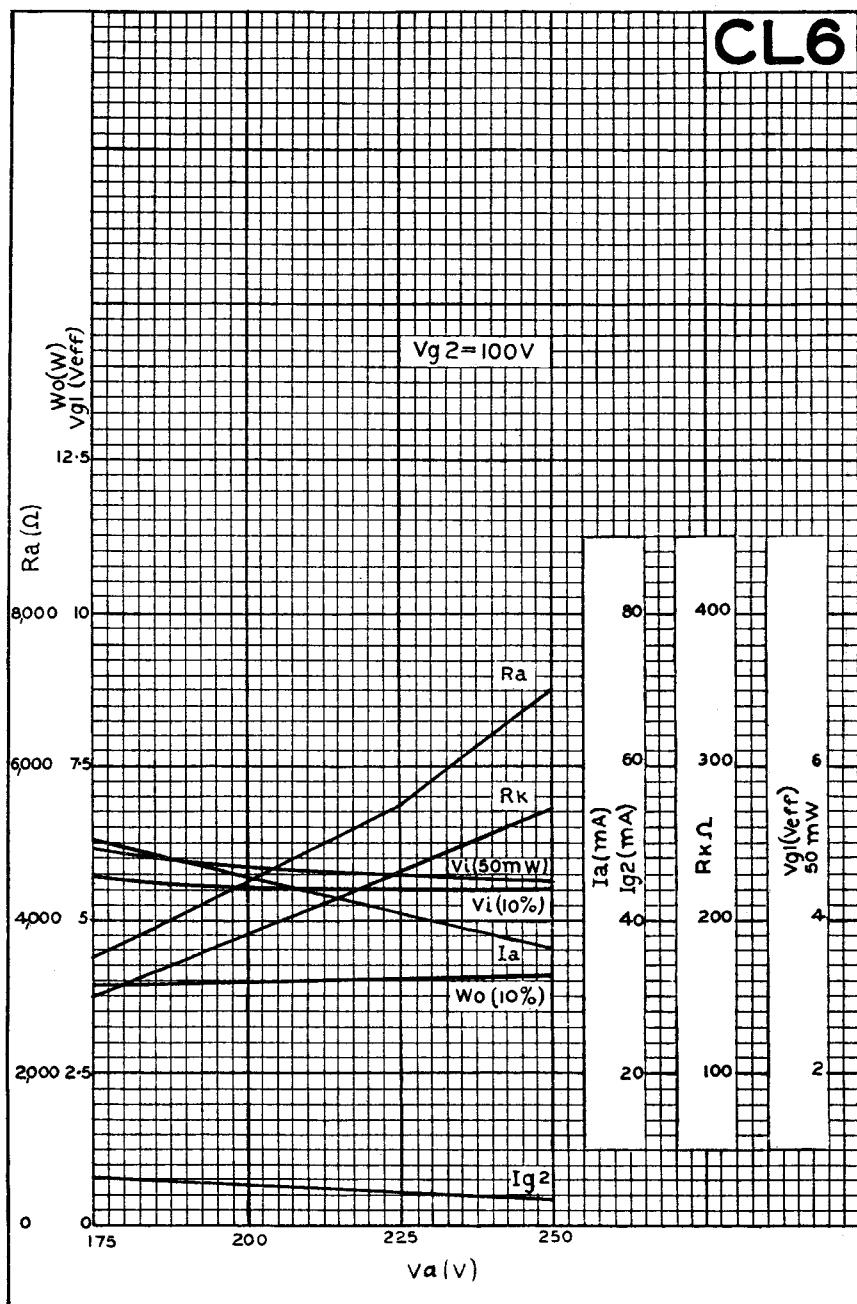
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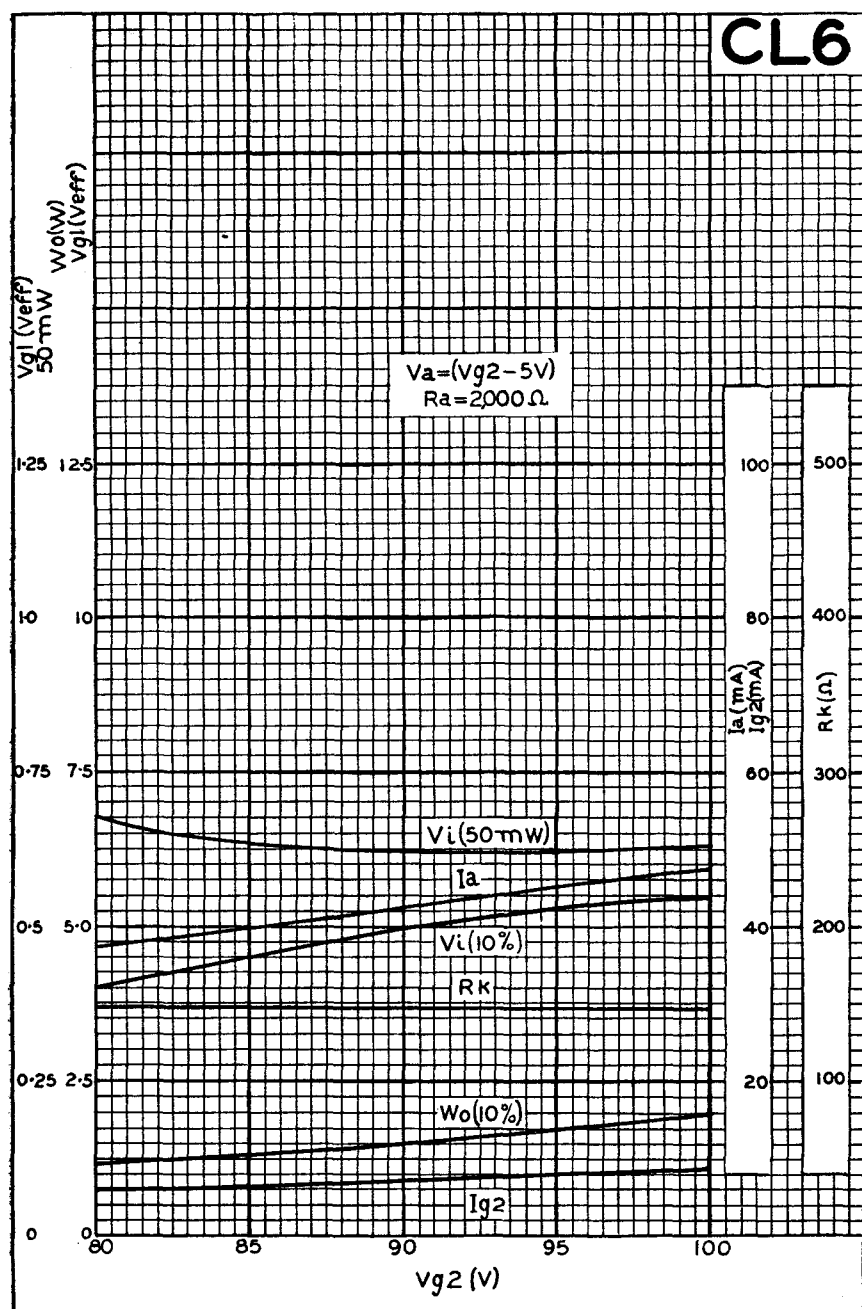
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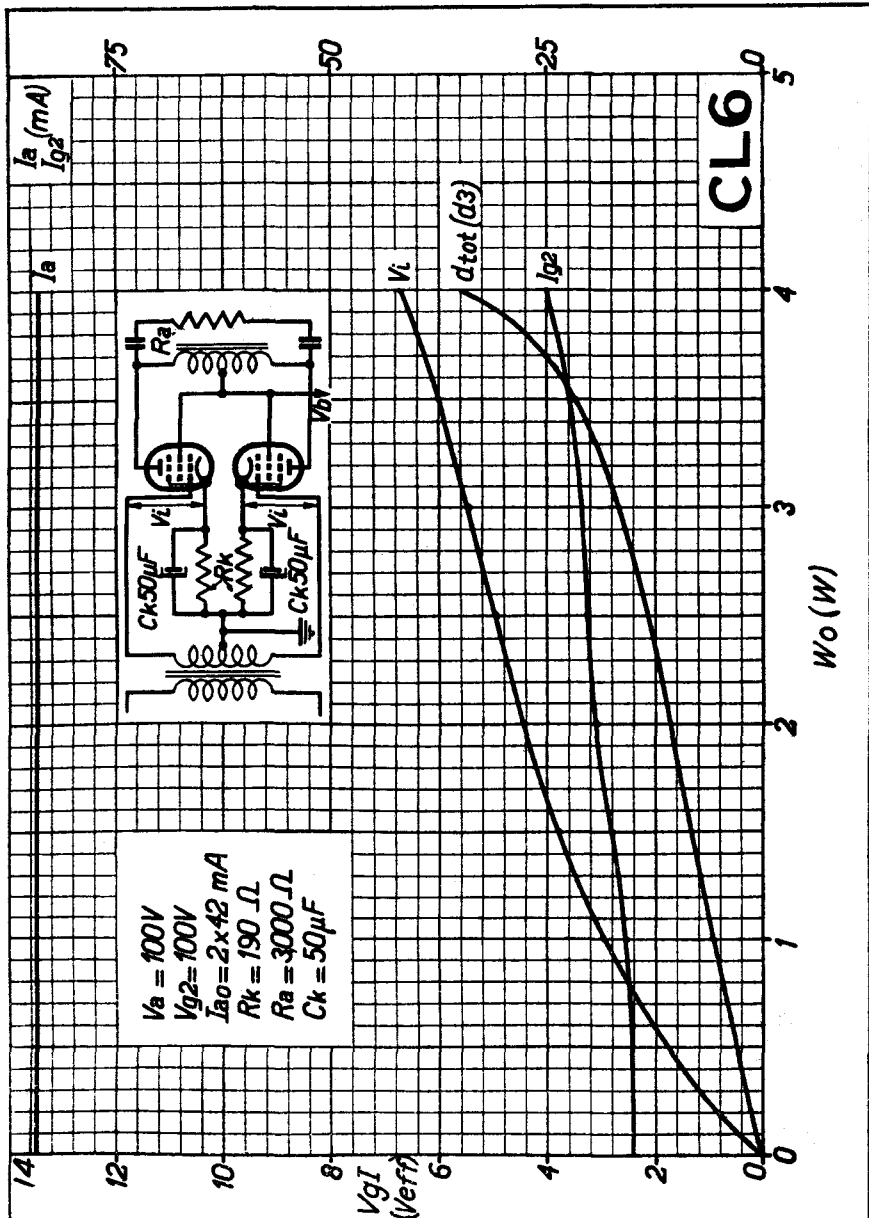
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