PHILIPS

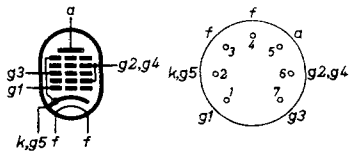
EH 90

DUAL CONTROL HEPTODE for television service
HEPTODE A DOUBLE COMMANDE pour le service de télévision
DOPPELGESTEUERTE HEPTODE für Fernsehbetrieb

Heating : indirect by A.C. or D.C. series or parallel supply
Chauffage: indirect par C.A. ou C.C. alimentation série ou parallèle
Heizung : indirekt durch Wechsel- oder Gleichstrom; Serien- oder Parallelspeisung

V_f = 6,3 V
I_f = 300 mA

Dimensions in mm
Dimensions en mm
Abmessungen in mm



Base, culot, Sockel: MINIATURE

Capacitances
Capacités
Kapazitäten

C_{ag1}	<	0,07 pF
C_{ag3}	<	0,36 pF
C_{g1-} (k+f+g2+g3+g4+g5)	=	5,5 pF
C_{g3-} (k+f+g1+g2+g4+g5)	=	7,0 pF
C_{a-} (k+f+g1+g2+g3+g4+g5)	=	7,5 pF
C_{g1g3}	<	0,22 pF

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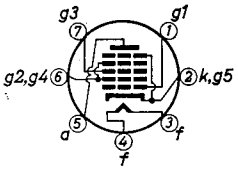

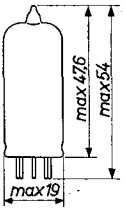

Base, culot, Sockel: MINIATURE

Capacitances
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Kapazitäten

C_{ag_1}	< 0,07 pF
C_{ag_3}	< 0,36 pF
$C_{g_1-(k+f+g_2+g_3+g_4+g_5)}$	= 5,5 pF
$C_{g_3-(k+f+g_1+g_2+g_4+g_5)}$	= 7,0 pF
$C_{a-(k+f+g_1+g_2+g_3+g_4+g_5)}$	= 7,5 pF
$C_{g_1g_3}$	< 0,22 pF

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_a	=	10	100	100 V
V_{g2+g4}	=	30	30	30 V
V_{g1}	=	0	0	-1 V
V_{g3}	=	0	-1	0 V
I_a	=	1,2	0,8	0,75 mA
I_{g2+g4}	=	4,1	4,0	1,1 mA
S_{g1}	=	-	-	0,95 mA/V
S_{g3}	=	-	1,25	- mA/V
R_i	=	-	0,7	1,0 MΩ
V_{g1} (I_a=50 μA)	=	-	-	-2,5 V
V_{g3} (I_a=50 μA)	=	-	-2,2	- V

Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	=	max.	550 V
V_a	=	max.	300 V
W_a	=	max.	1,0 W
$V_{(g2+g4)_o}$	=	max.	550 V
$V_{b(g2+g4)}$	=	max.	300 V
V_{g2+g4}	=	max.	100 V
W_{g2+g4}	=	max.	1,0 W
I_k	=	max.	14 mA
R_{g1}	=	max.	0,47 MΩ
R_{g3}	=	max.	2,2 MΩ
R_{g3} ($V_{g2+g4} \leq 30$ V)	=	max.	5 MΩ
V_{kf} (k pos.; f neg.)	=	max.	200 V
V_{kf} (k neg.; f pos.)	=	max.	200 V[1])

[1])D.C. component max. 100 V
Composante C.C. 100 V au max.
Gleichspannungsanteil max. 100 V

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_a	=	10	100	100	V
V_{g2+g4}	=	30	30	30	V
V_{g1}	=	0	0	-1	V
V_{g3}	=	0	-1	0	V
I_a	=	2	0,8	0,75	mA
I_{g2+g4}	=	3,5	4,0	1,1	mA
S_{g1}	=	-	-	1,2	mA/V
S_{g3}	=	-	1,55	-	mA/V
R_i	=	-	0,4	0,9	MΩ
V_{g1} (I_a=50 μA)	=	-	-	-2,5	V
V_{g3} (I_a=50 μA)	=	-	-2,2	-	V

Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	= max.	550	V
V_a	= max.	300	V
W_a	= max.	1,0	W
$V_{(g2+g4)_o}$	= max.	550	V
$V_{b(g2+g4)}$	= max.	300	V
V_{g2+g4}	= max.	100	V
W_{g2+g4}	= max.	1,0	W
I_k	= max.	14	mA
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V_{kf} (k neg.; f pos.)	= max.	100	V

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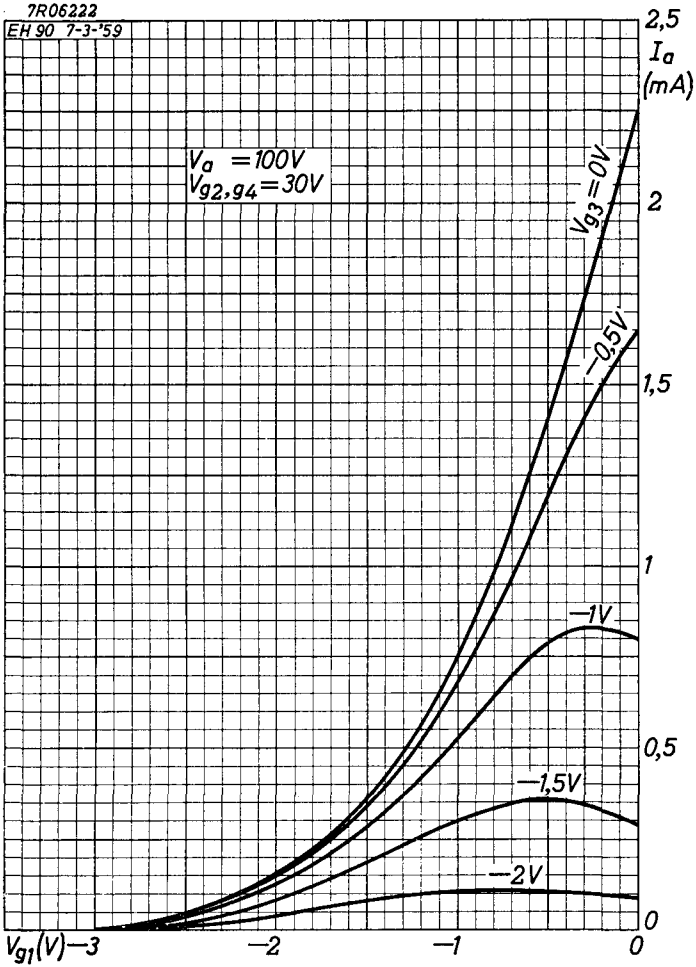

3.3.1959

A

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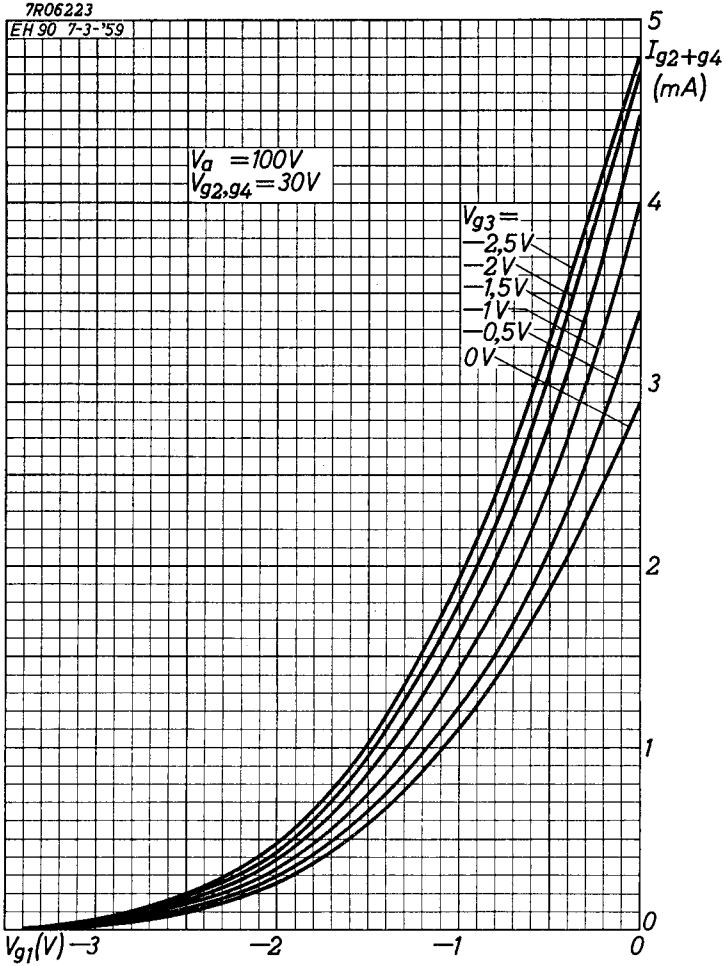

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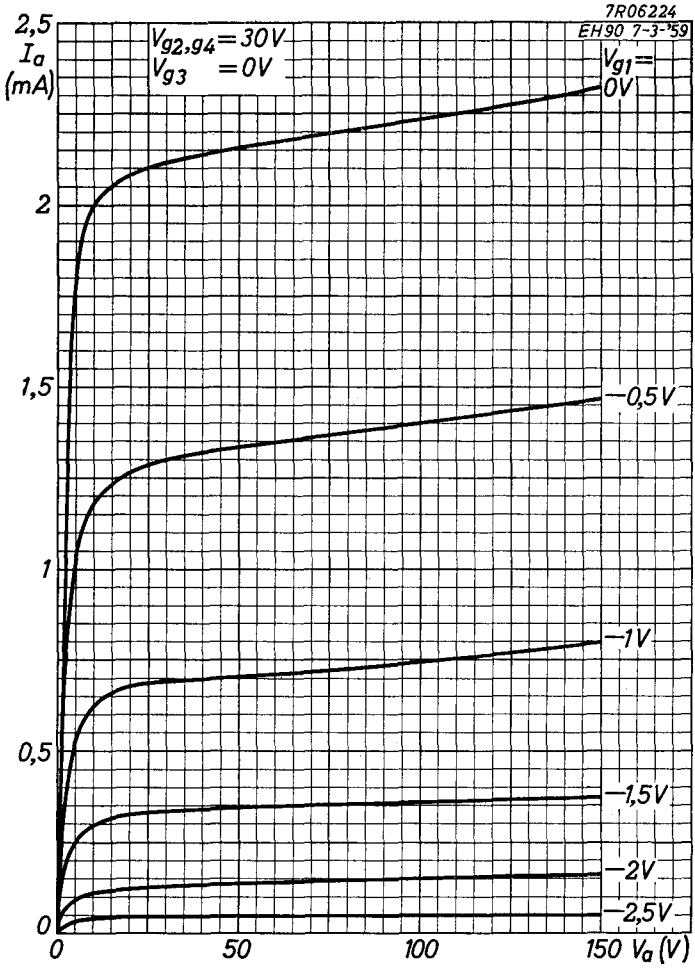

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C

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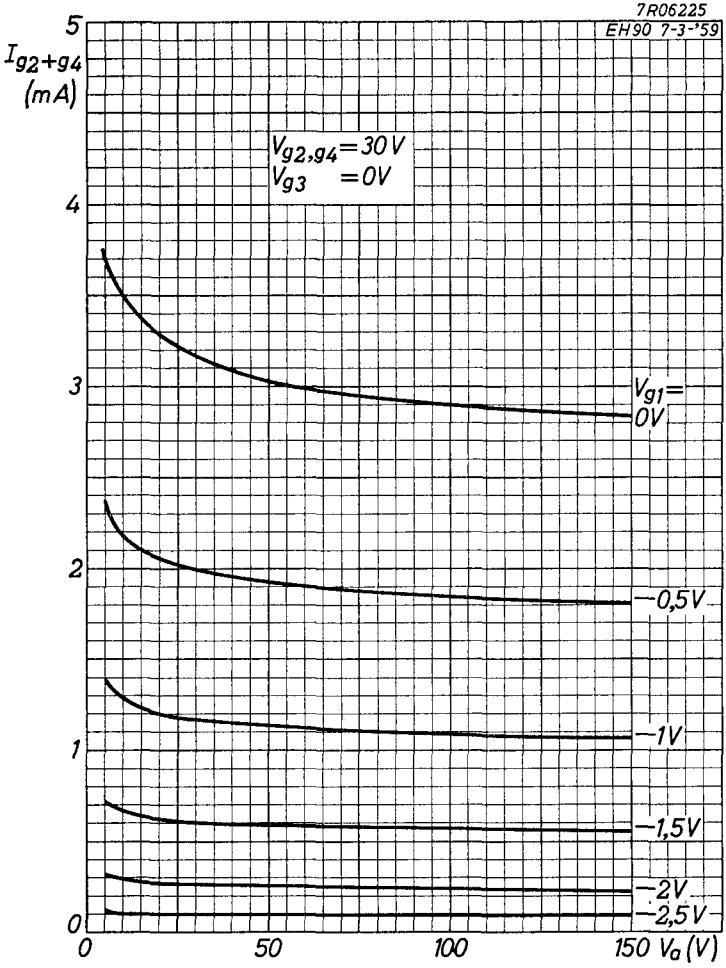

D

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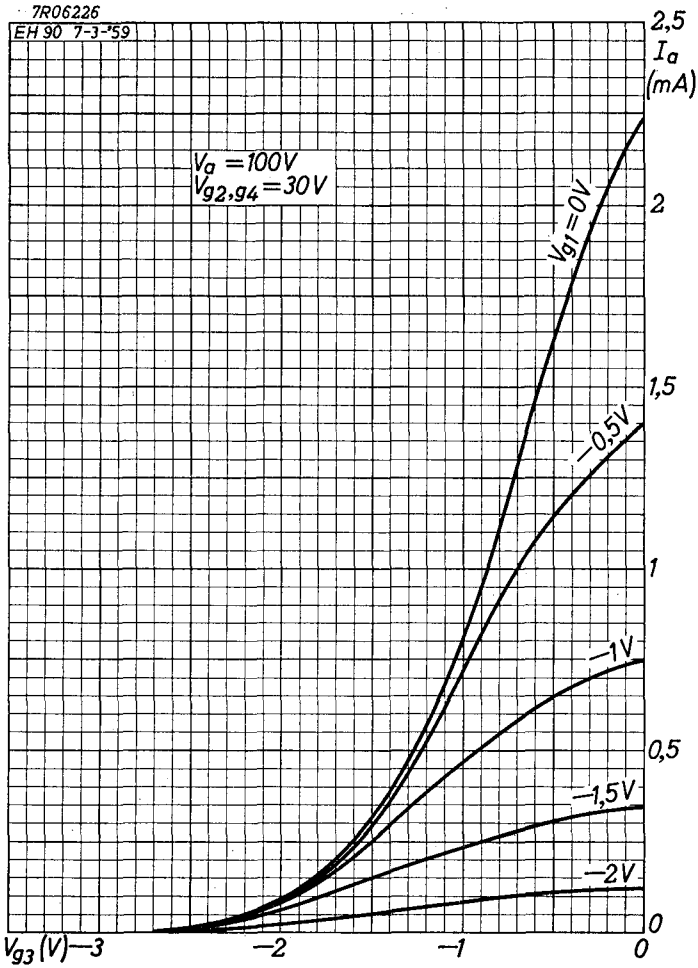

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E

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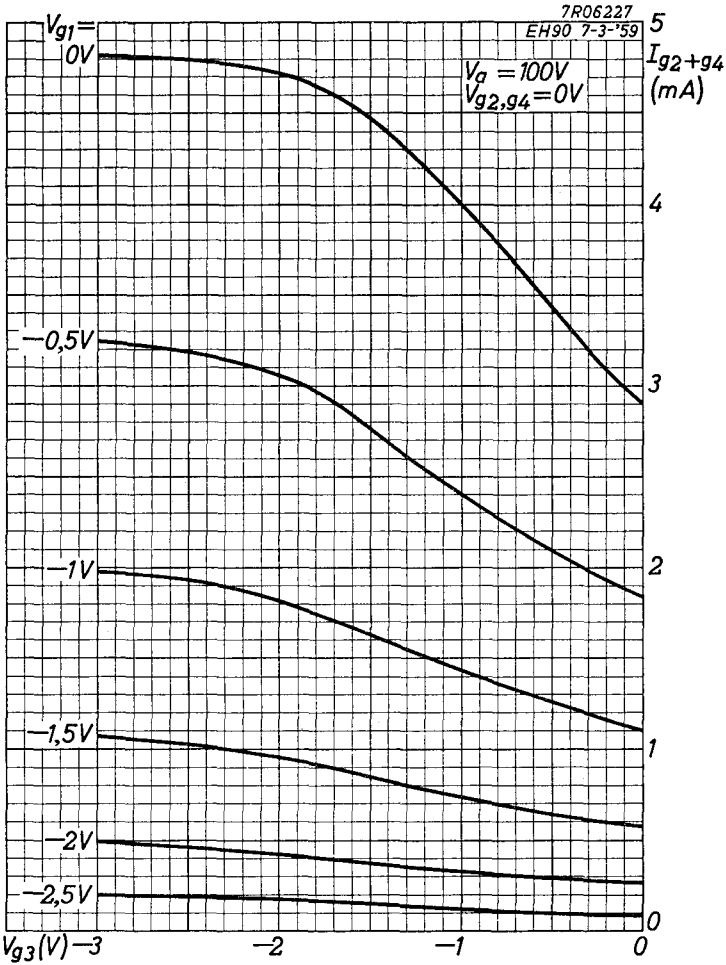

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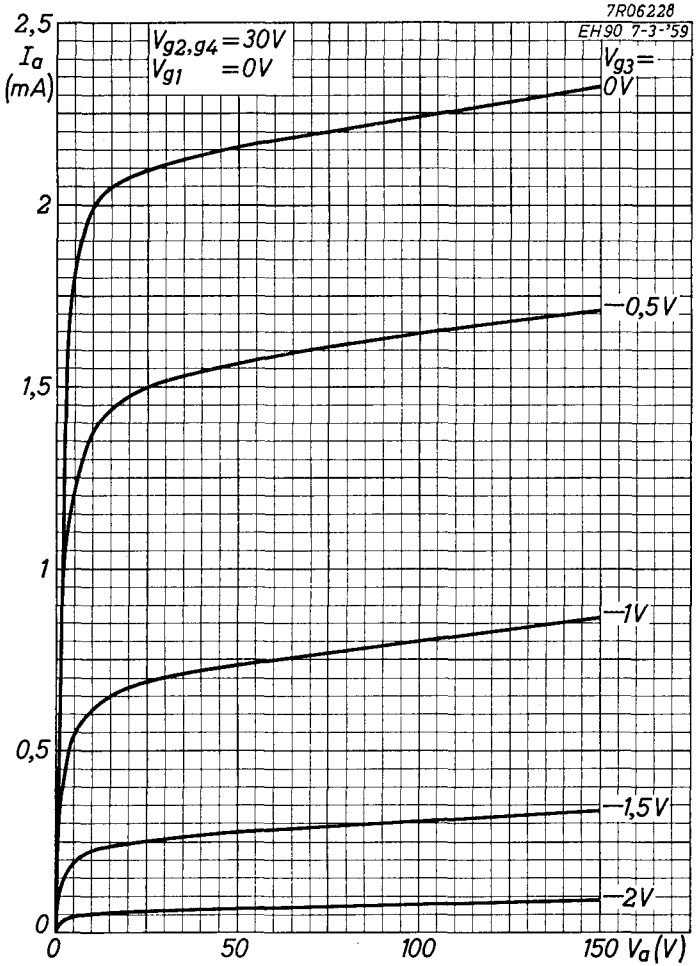

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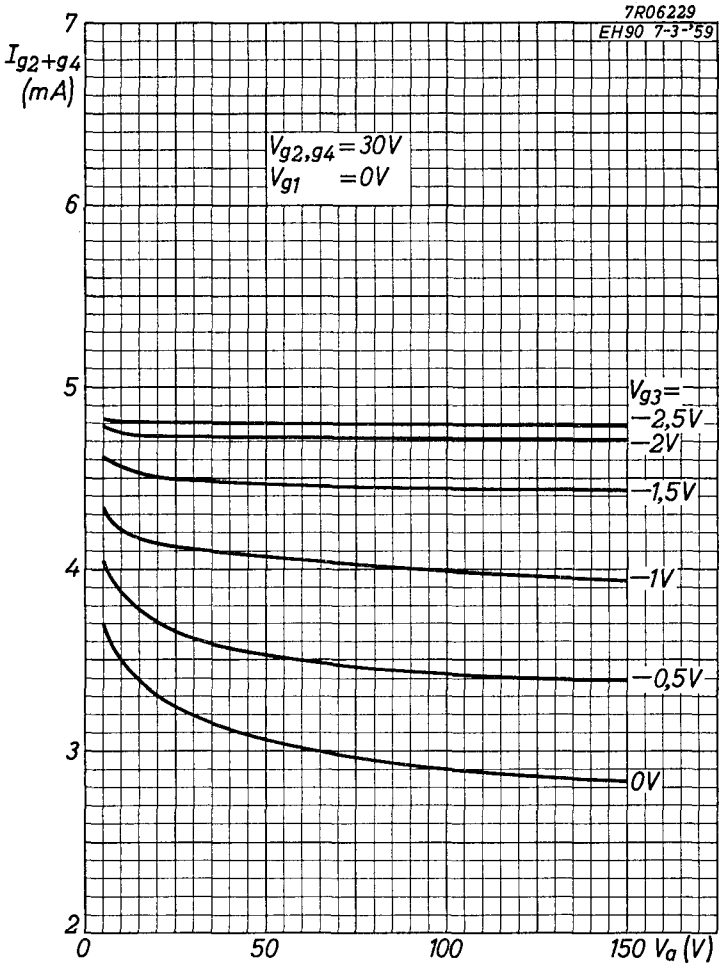

H

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Electronic Tube HANDBOOK

EH90

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2	1	1959.03.03
3	2	1956.04.04
4	2	1959.03.03
5	A	1959.03.03
6	B	1959.03.03
7	C	1959.03.03
8	D	1959.03.03
9	E	1959.03.03
10	F	1959.03.03
11	G	1959.03.03
12	H	1959.03.03
13	FP	1999.07.04