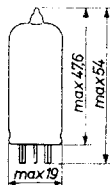
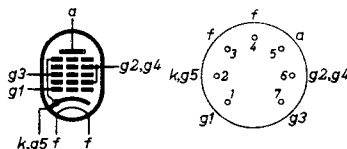


DUAL CONTROL HEPTODE for television service
HEPTODE A DOUBLE COMMANDE pour le service de télévision
DOPPELGESTEUERTE HEPTODE für Fernsehbetrieb

Heating : indirect by A.C. or D.C.
series or parallel supply
Chauffage: indirect par C.A. ou C.C.
alimentation série ou pa-
rallèle
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: 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

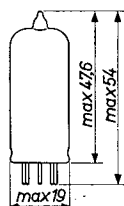
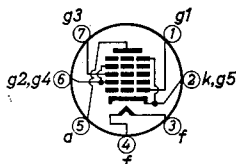
DUAL CONTROL HEPTODE for television service
 HEPTODE A DOUBLE COMMANDE pour le service de télévision
 DOPPELGESTEUERTE HEPTODE für Fernsehbetrieb

Heating : indirect by A.C. or D.C.;
 series or parallel supply
 Chauffage: indirect par C.A. ou C.C.;
 alimentation série ou pa-
 rallèle
 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: MINIATURE

Capacitances
 Capacités
 Kapazitäten

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

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 M Ω
V_{g1} ($I_a=50 \mu A$)	=	-	-	-2,5 V
V_{g3} ($I_a=50 \mu A$)	=	-	-2,2	- V

Limiting values
Caractéristiques limites
Grenzdaten

V_{a0}	= max.	550 V
V_a	= max.	300 V
W_a	= max.	1,0 W
$V_{(g2+g4)0}$	= 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 M Ω
R_{g3}	= max.	2,2 M Ω
R_{g3} ($V_{g2+g4} \leq 30$ V)	= max.	5 M Ω
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

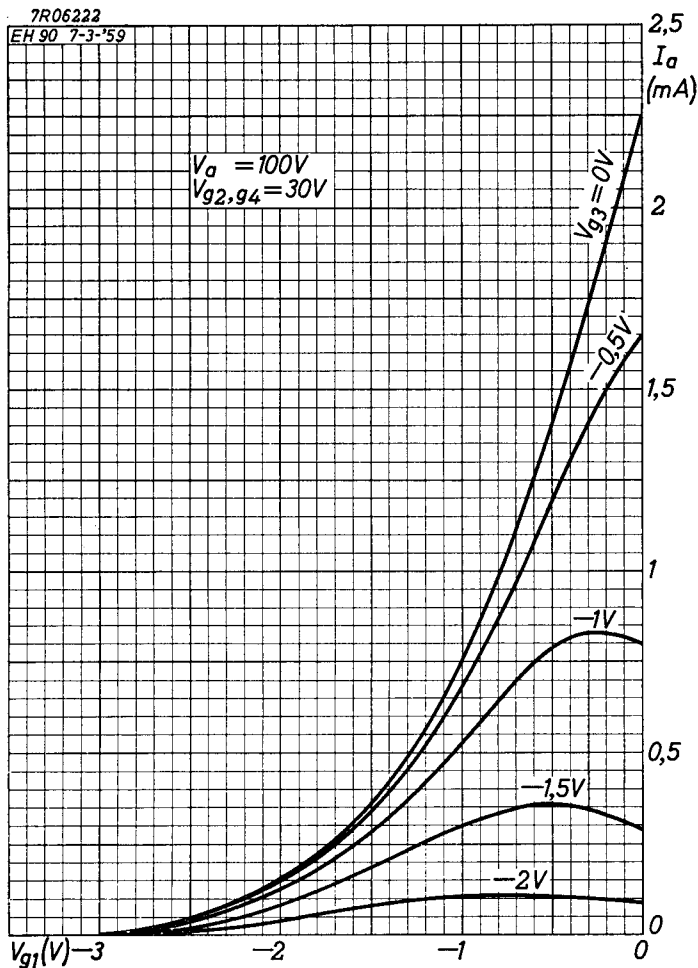
V_a	=	10	100	100 V
V_{g2+g4}	=	30	30	30 V
V_{g1}	=	0	0	-1 V
V_{g3}	=	0	-1	0 V
I_a	=	2	0,8	0,75 mA
I_{g2+g4}	=	3,5	4,0	1,1 mA
S_{g1}	=	-	-	1,2 mA/V
S_{g3}	=	-	1,55	- mA/V
R_1	=	-	0,4	0,9 M Ω
V_{g1} ($I_a=50 \mu A$)	=	-	-	-2,5 V
V_{g3} ($I_a=50 \mu A$)	=	-	-2,2	- V

Limiting values
 Caractéristiques limites
 Grenzdaten

V_{a0}	= max.	550 V
V_a	= max.	300 V
W_a	= max.	1,0 W
$V_{(g2+g4)0}$	= 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 M Ω
R_{g3}	= max.	2,2 M Ω
R_{g3} ($V_{g2+g4} \leq 30$ V)	= max.	5 M Ω
V_{kf} (k pos.; f neg.)	= max.	200 V
V_{kf} (k neg.; f pos.)	= max.	100 V

PHILIPS

EH 90



3. 3. 1959

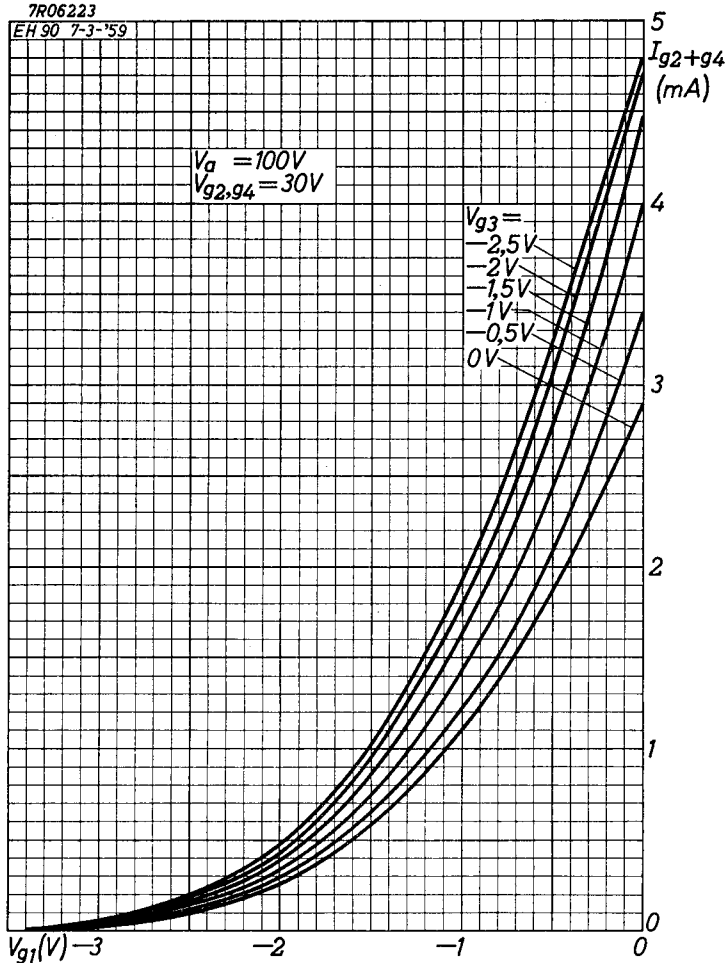
A

EH 90

PHILIPS

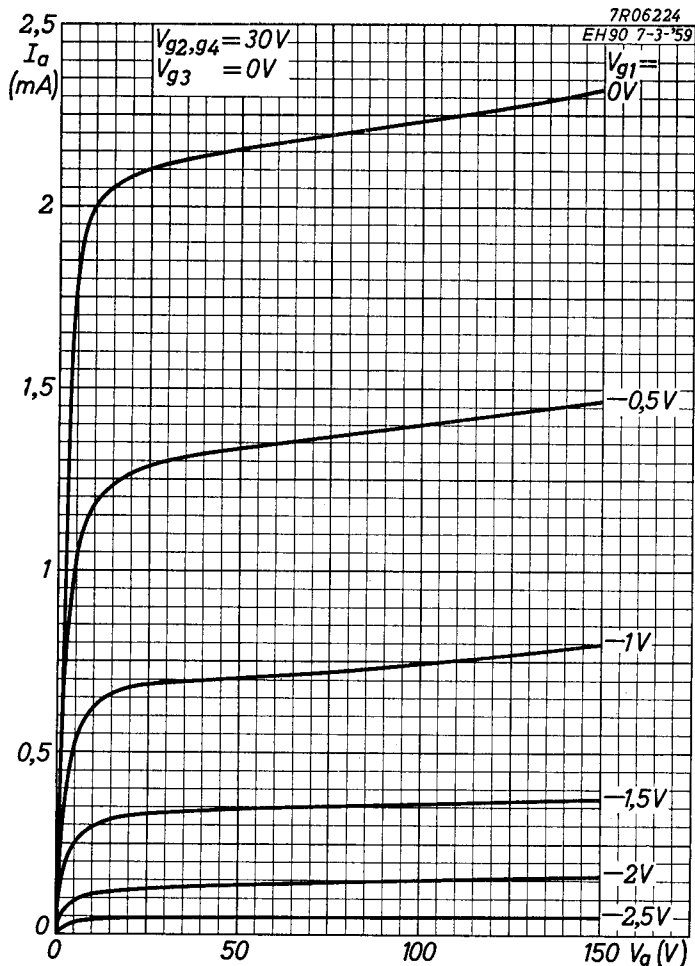
7R06223

EH 90 7-3-'59



PHILIPS

EH90



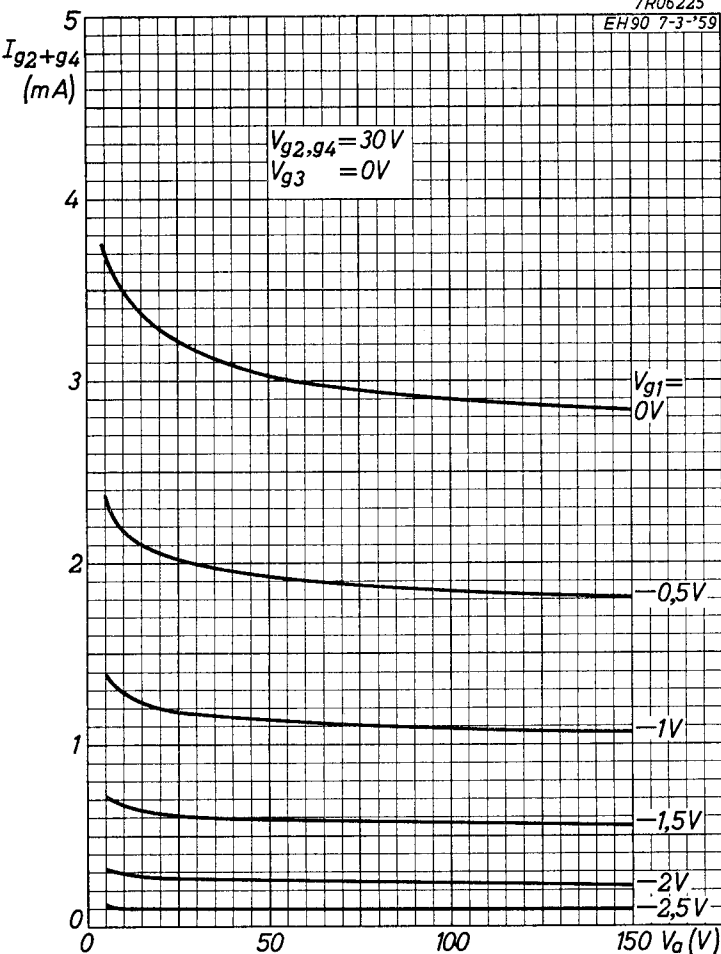
3.3.1959

C

EH90**PHILIPS**

7R06225

EH90 7-3-'59

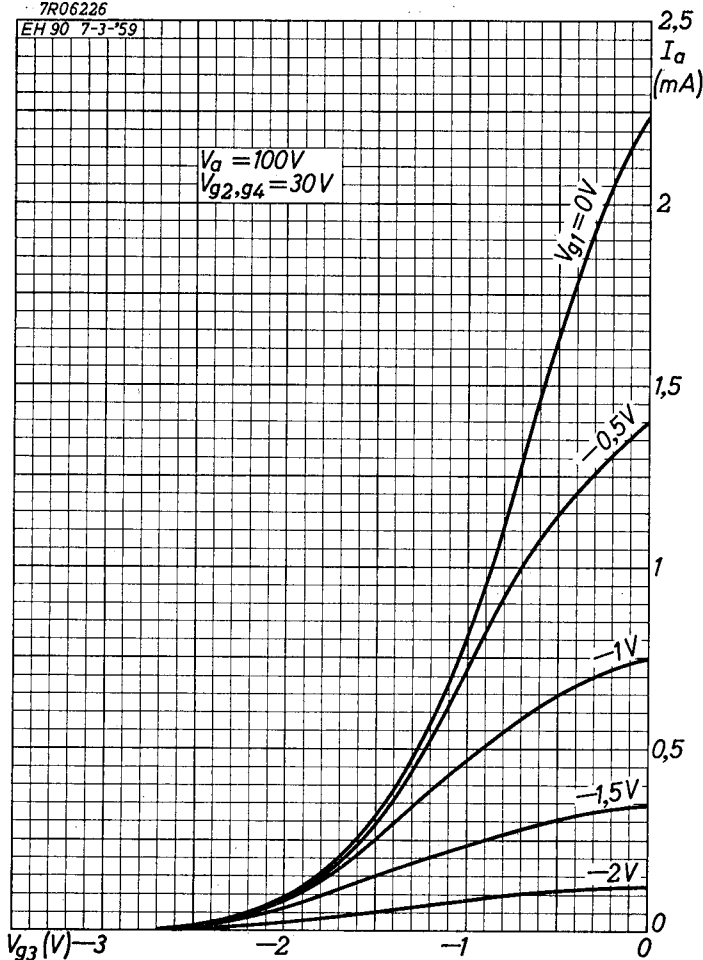


PHILIPS

EH 90

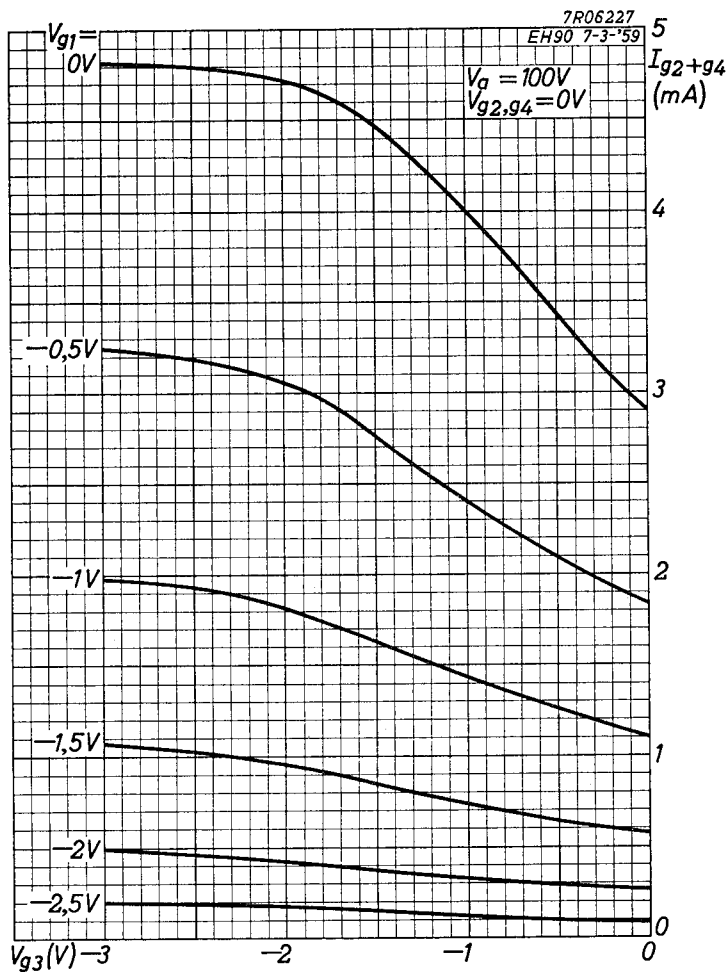
7R06226

EH 90 7-3-59



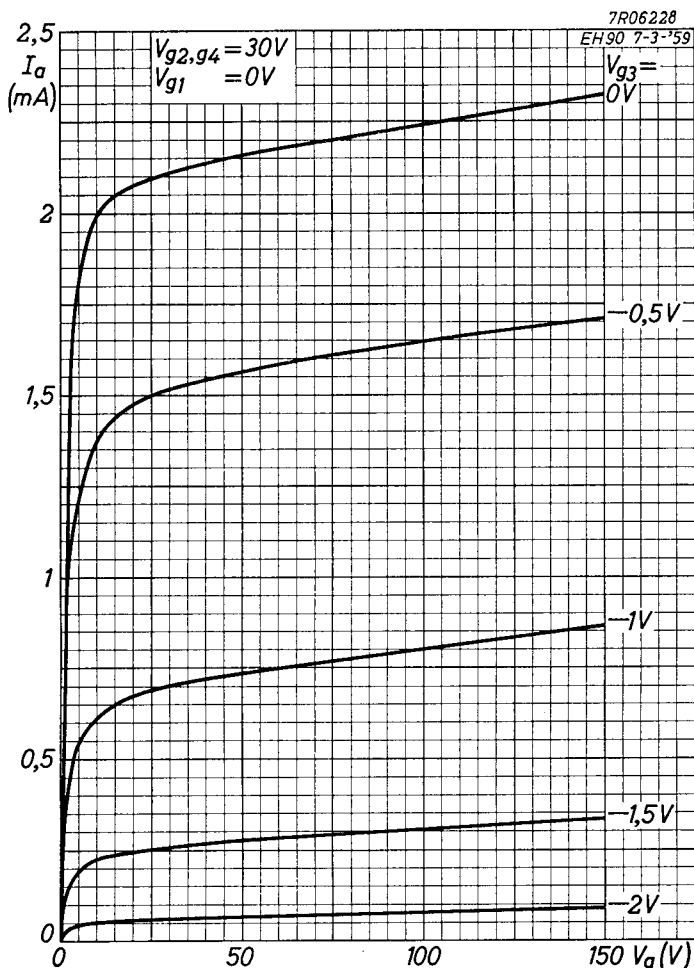
3.3.1959

E

EH90**PHILIPS****F**

PHILIPS

EH90



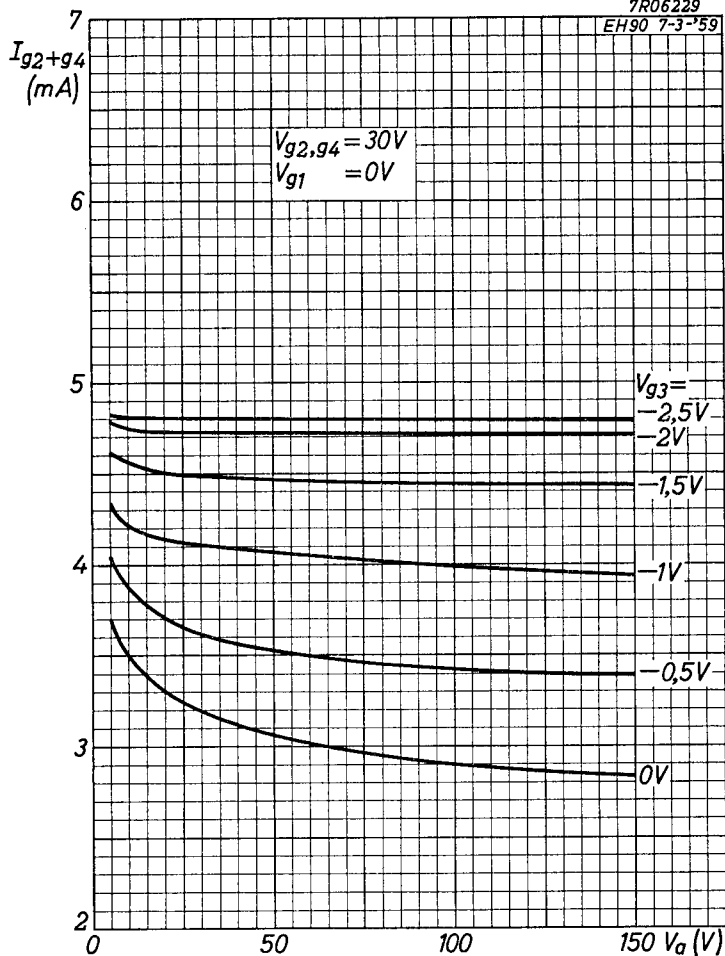
3.3.1959

G

EH 90**PHILIPS**

7R06229

EH90 7-3-59



H



	EH90	
page	sheet	date
1	1	1956.04.04
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