PHILIPS

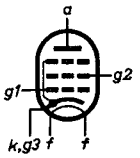
HL 94

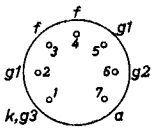
OUTPUT PENTODE for use in receivers for low mains voltages
PENTHODE DE SORTIE pour l'utilisation dans des récepteurs pour tension de secteur basse
ENDPENTODE zur Verwendung in Empfangsgeräten für niedrige Netzspannung

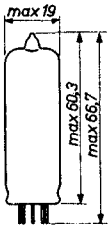
Heating : indirect by A.C. or D.C. series supply
Chauffage: indirect par C.A. ou C.C. alimentation série
Heizung : indirekt durch Wechsel- oder Gleichstrom; Serienspeisung

V_f = 30 V
I_f = 150 mA

Dimensions in mm
Dimensions en mm
Abmessungen in mm







Base, culot, Sockel: MINIATURE

Capacitances
Capacités
Kapazitäten

C_a	=	5.8 pF
C_{g_1}	=	12 pF
C_{ag_1}	=	0,3 pF
$C_{g_1 f}$	=	0,4 pF

Typical characteristics
Caractéristiques types
Kenndaten

V_a	=	100 V
V_{g_2}	=	100 V
V_{g_1}	=	-6,7 V
I_a	=	43 mA
I_{g_2}	=	3 mA
S	=	9,2 mA/V
μ	=	7,8
R_1	=	22 kΩ

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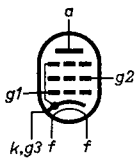

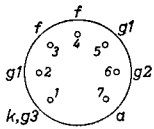

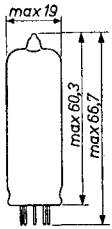

Base, culot, Sockel: MINIATURE

Capacitances Capacités Kapazitäten	C_a	=	5.8 pF
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	V_{g_1}	=	-6,7 V
	I_a	=	43 mA
	I_{g2}	=	3 mA
	S	=	9,2 mA/V
	μ_{g2g1}	=	7,8
	R_i	=	22 kΩ

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_a	=		100		V
V_{g2}	=		100		V
V_{g1}	=		-6,7		V
$R_{a\sim}$	=		2,4		kΩ
V_i	=	0	0,55	4,3	Veff
I_a	=	43	-	43,0	mA
I_{g2}	=	3	-	11	mA
W_o	=	-	0,05	1,9	W
d_t	=	-	-	10	%

Limiting values
Caractéristiques limites
Grenzdaten

V_{a_o}	= max.	550	V
V_a	= max.	150	V
W_a	= max.	7,5	W
V_{g2_o}	= max.	550	V
V_{g2}	= max.	150	V
W_{g2}	= max.	1,5	W
W_{g2_p}	= max.	2,5	W
I_k	= max.	100	mA
V_{kf}	= max.	150	V
R_{g1}	= max.	1	MΩ [1]

[1] With automatic bias
Avec polarisation automatique
Mit automatischer Gittervorspannung

Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

V_a	=		100		V
V_{g2}	=		100		V
V_{g1}	=		-6,7		V
$R_{a\sim}$	=		2,4		kΩ
V_1	=	0	0,55	4,3	Veff
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Limiting values
Caractéristiques limites
Grenzdaten

V_{ao}	= max.	550	V
V_a	= max.	150	V
W_a	= max.	7,5	W
V_{g2o}	= max.	550	V
V_{g2}	= max.	150	V
W_{g2}	= max.	1,5	W
W_{g2p}	= max.	2,5	W
I_k	= max.	100	mA
V_{kf}	= max.	150	V
R_{g1}	= max.	1	MΩ [1]

[1] With automatic bias
Avec polarisation automatique
Mit automatischer Gittervorspannung

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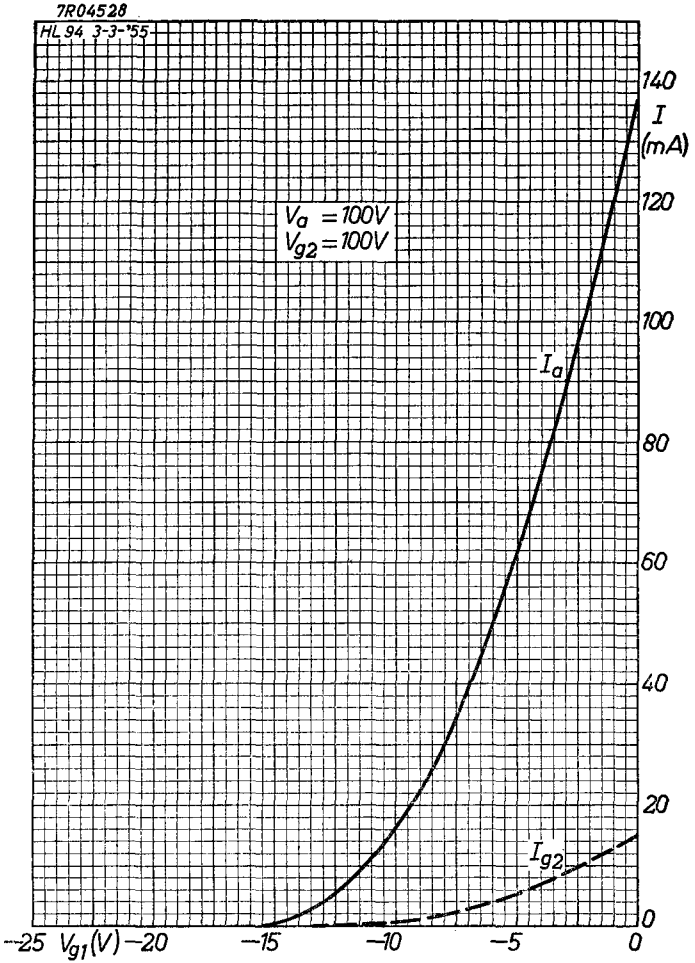

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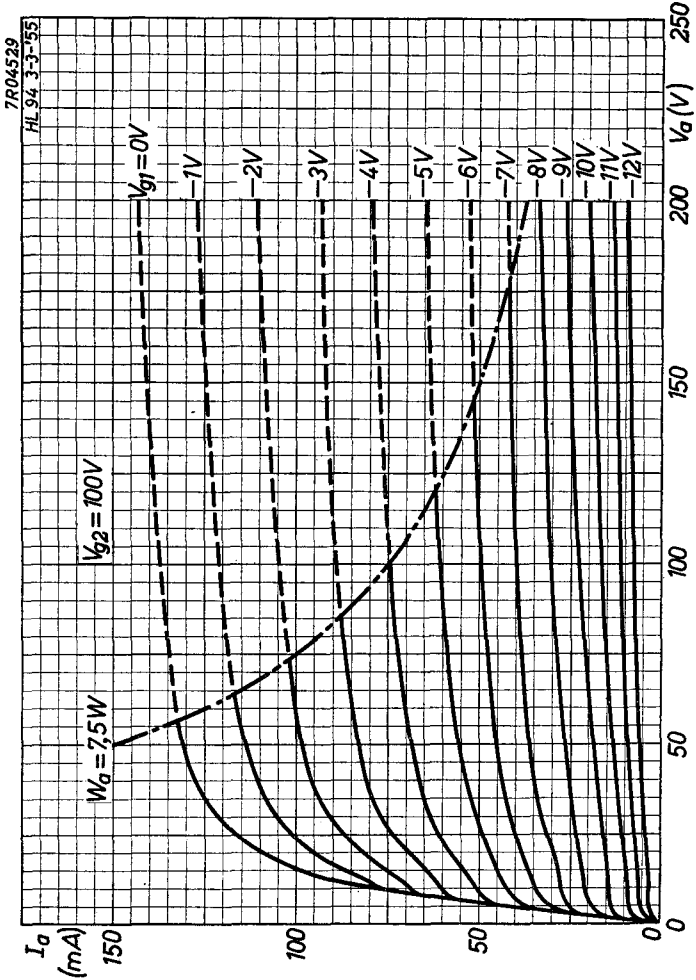

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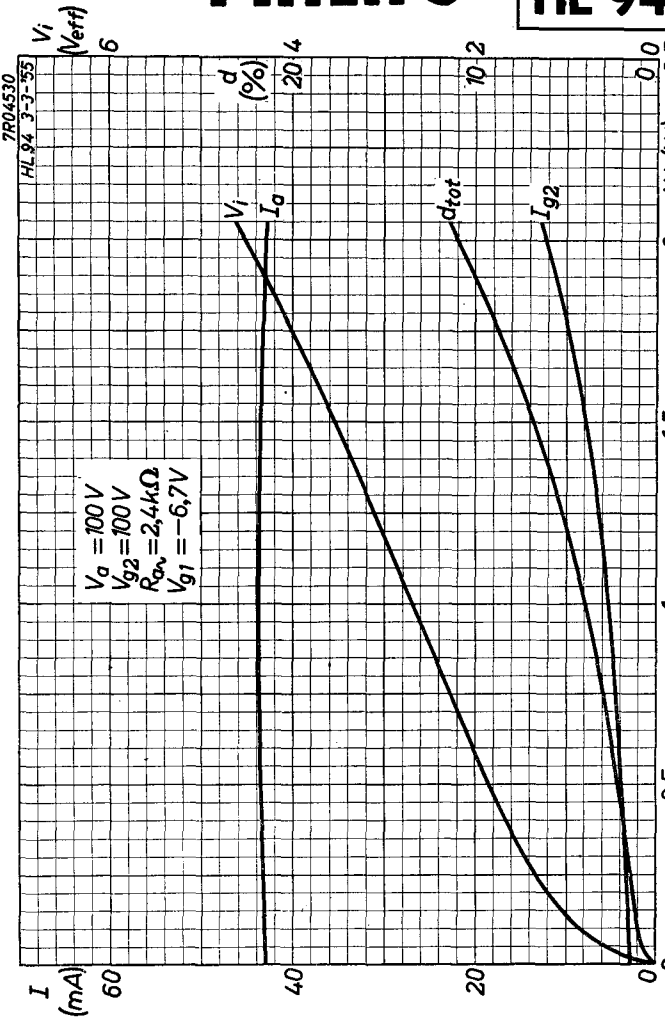

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Electronic Tube HANDBOOK

HL94

page	sheet	date
1	1	1956.04.04
2	1	1957.09.09
3	2	1956.04.04
4	2	1957.09.09
5	A	1955.04.04
6	B	1955.04.04
7	C	1955.04.04
8	FP	1999.07.16