

OUTPUT PENTODE for car radio sets
PENTHODE DE SORTIE pour récepteurs autoradio
ENDPENTHODE für Autoempfänger

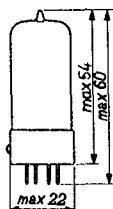
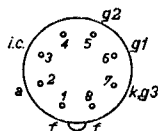
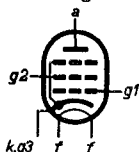
Heating : indirect by D.C.
parallel supply

Chauffage: indirect par C.C.
alimentation- parallèle
Heizung : indirekt durch Gleich-
strom; Parallelspeisung

$V_f = 6,3 \text{ V}$

$I_f = 0,2 \text{ A}$

Dimensions in mm
Dimensions en mm
Abmessungen in mm



Base, culot, Sockel: Rimlock

Capacitances
Capacités
Kapazitäten

$C_{g1} = 4,3 \text{ pF}$

$C_a = 6,2 \text{ pF}$

$C_{ag1} < 0,2 \text{ pF}$

$C_{g1f} < 0,2 \text{ pF}$

Operating characteristics class A
Caractéristiques d'utilisation classe A
Betriebsdaten Klasse A

V_a	=	200	225 V
V_{g2}	=	200	225 V
R_k	=	360	360 Ω
I_a	=	22,5	26 mA
I_{g2}	=	3,5	4,1 mA
S	=	3,2	3,2 mA/V
R_i	=	90	90 k Ω
μ_{g2g1}	=	11	11
$R_{a\sim}$	=	9	9 k Ω
V_i	=	6,8	8 V _{eff}
W_o	=	2,1	2,8 W
d_{tot}	=	11	12 %
$V_i(W_o=50mW)$	=	0,8	0,75 V _{eff}

Operating characteristics class AB
 Caractéristiques d'utilisation classe AB
 Betriebsdaten-Klasse AB

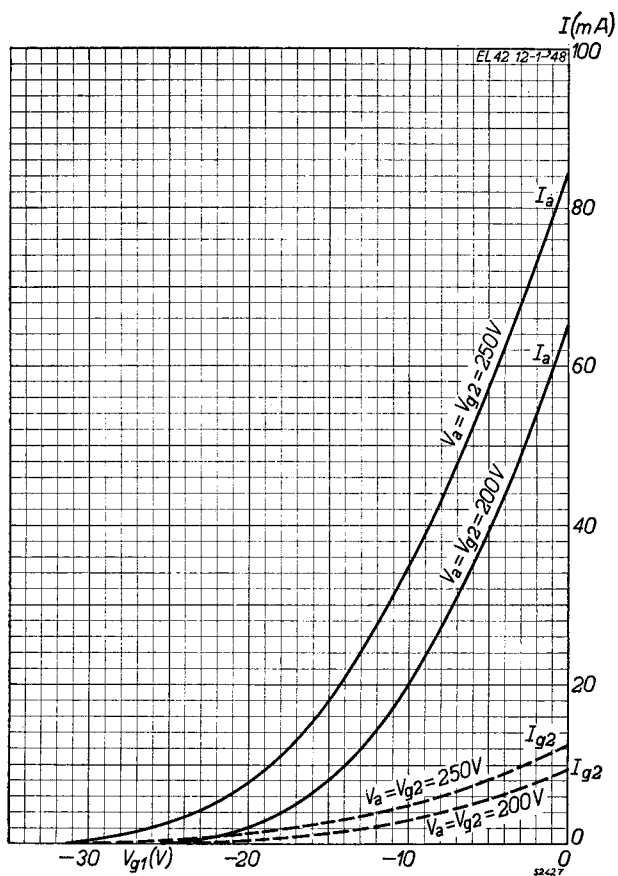
V_a	=	200	250	V
V_{g2}	=	200	250	V
R_k	=	310	310	Ω
$R_{aa}^{\sim}$	=	15	15	k Ω
V_i	=	0 0,75 9,6	0 0,7 12,5	V_{eff}
I_a	=	2x16 - 2x17	2x20 - 2x21,5	mA
I_{g2}	=	2x2,6 - 2x5,6	2x3,2 - 2x6,7	mA
W_o	=	0 0,05 4,1	0 0,05 7	W
dt_{tot}	=	- - 5,5	- - 5,5	%

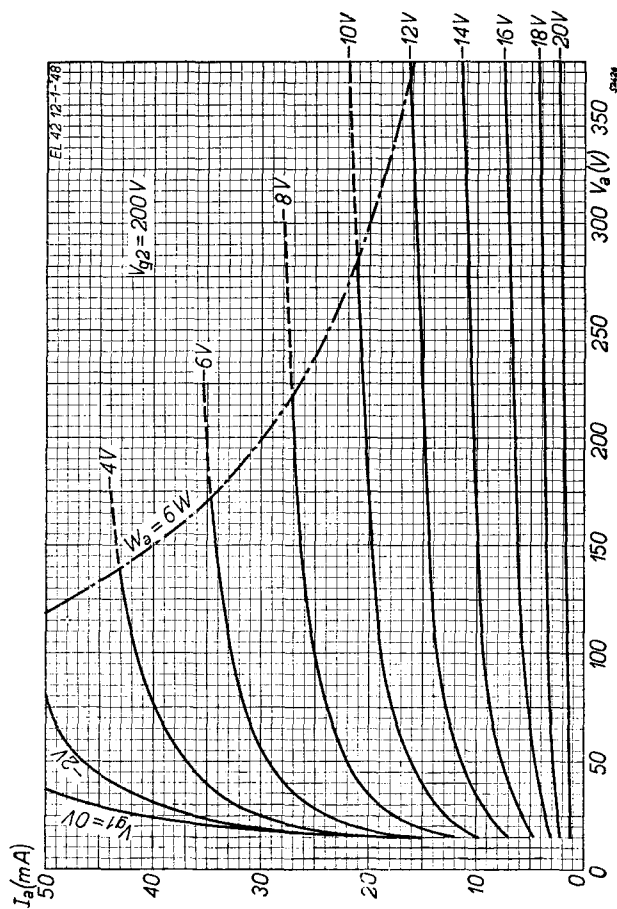
Operating characteristics class B
 Caractéristiques d'utilisation classe B
 Betriebsdaten Klasse B

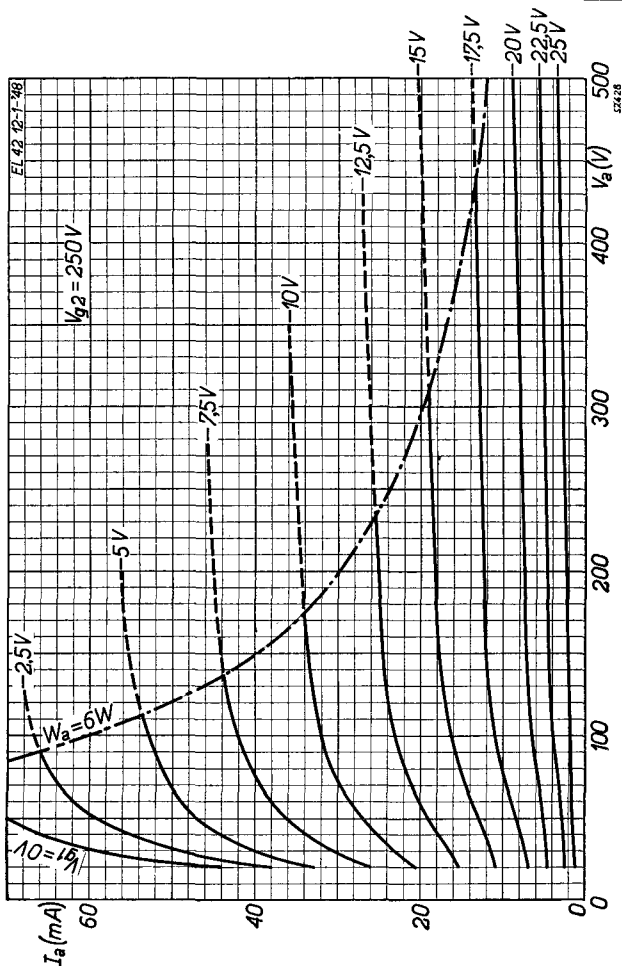
V_a	=	200	250	V
V_{g2}	=	200	250	V
V_{g1}	=	-17	-22,5	V
$R_{aa}^{\sim}$	=	16	16	k Ω
V_i	=	0 1,5 12	0 1,7 16	V_{eff}
I_a	=	2x5 - 2x16	2x5 - 2x20	mA
I_{g2}	=	2x0,8 - 2x4,6	2x0,8 - 2x6,5	mA
W_o	=	0 0,05 4	0 0,05 6,5	W
dt_{tot}	=	- - 3,5	- - 5	%

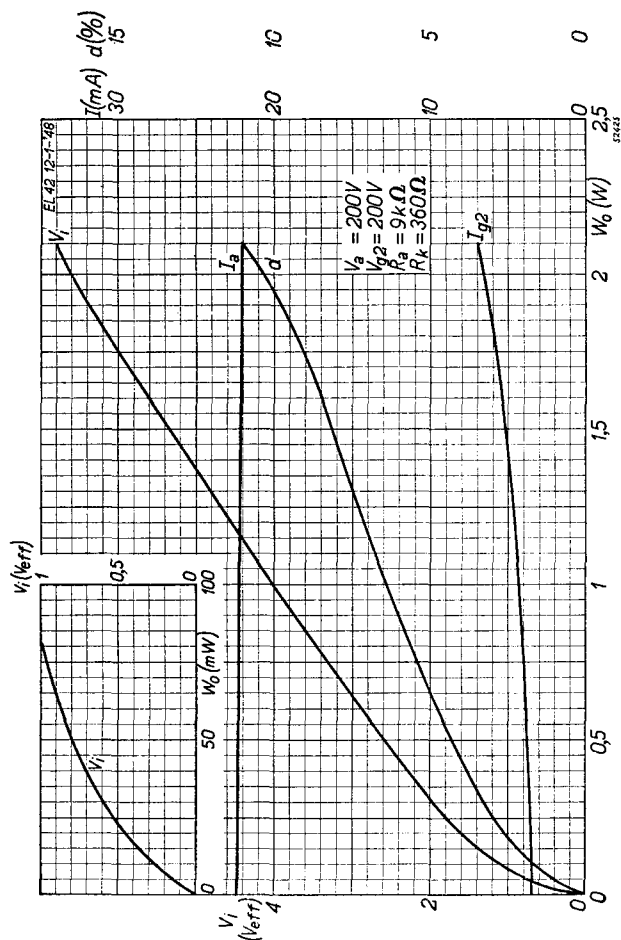
Limiting values
 Caractéristiques limites
 Grenzdaten

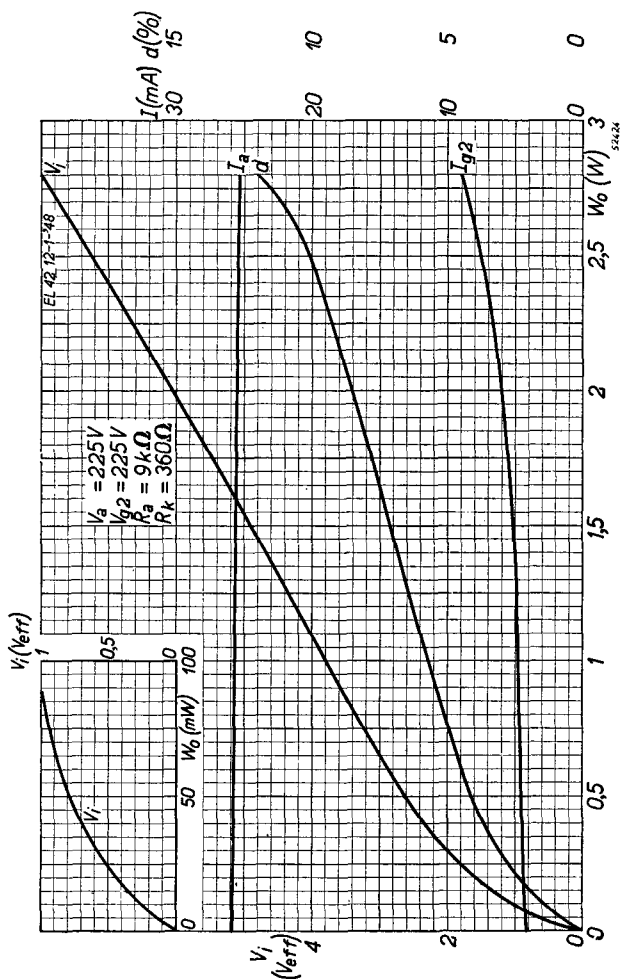
V_{a0}	= max.	550 V
V_a	= max.	300 V
W_a	= max.	6 W
V_{g20}	= max.	550 V
V_{g2}	= max.	300 V
$W_{g2}(V_i=0)$	= max.	1 W
$W_{g2}(W_o=\max.)$	= max.	2 W
I_k	= max.	35 mA
$V_{g1}(I_{g1}=+0,3\mu A)$	= max.	-1,3 V
R_{g1}	= max.	2 M Ω
R_{kf}	= max.	20 k Ω
V_{kf}	= max.	100 V





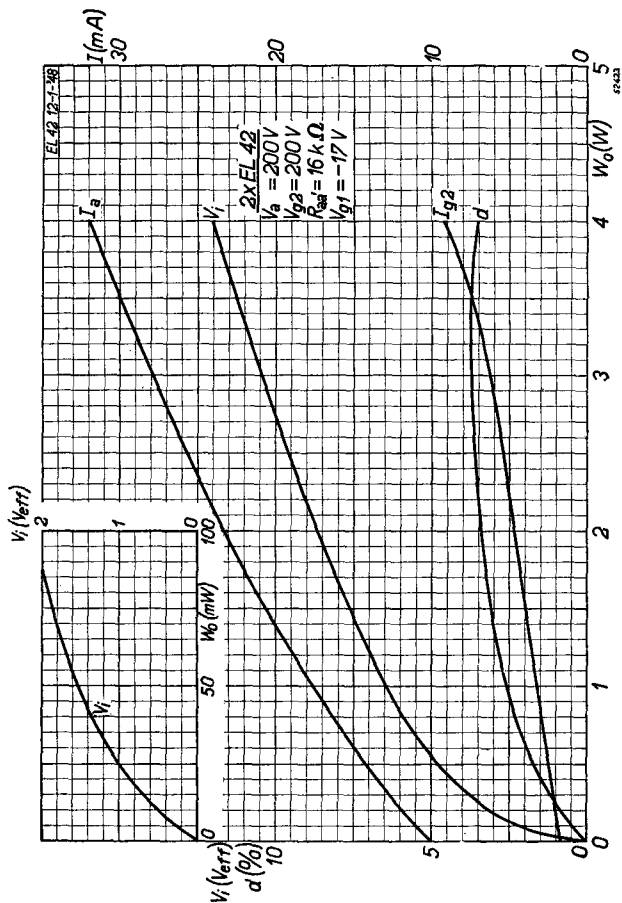






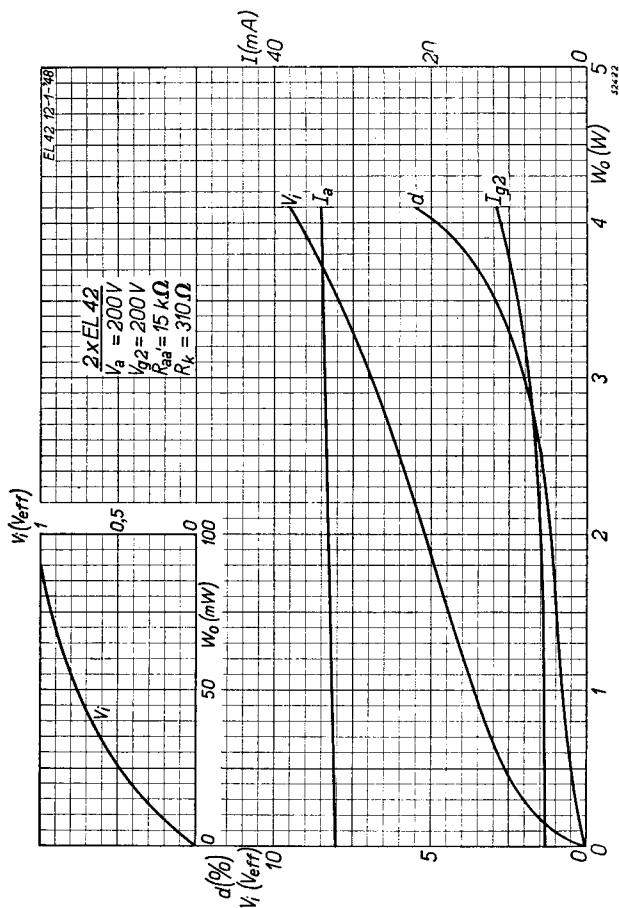
EL 42

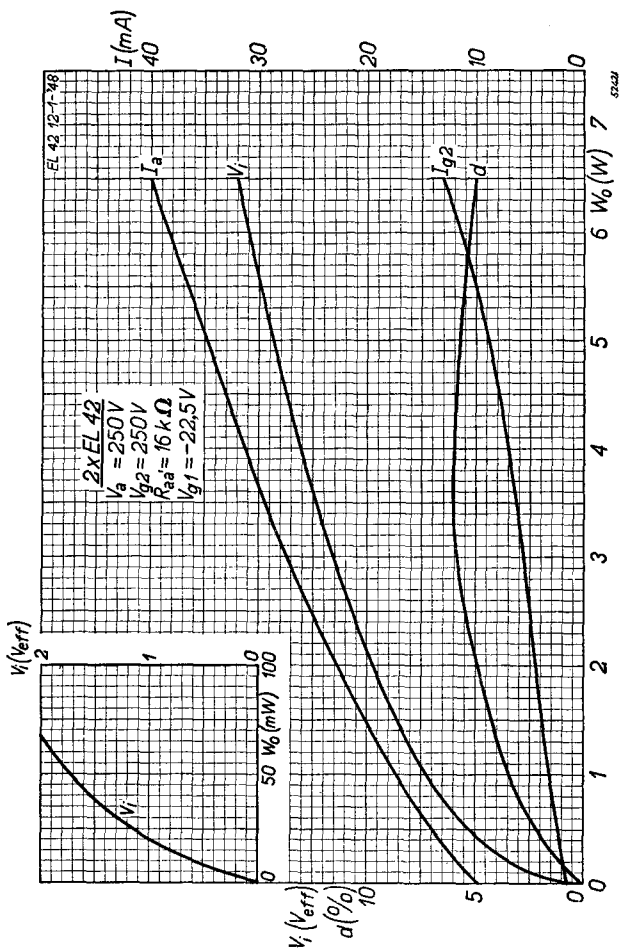
PHILIPS

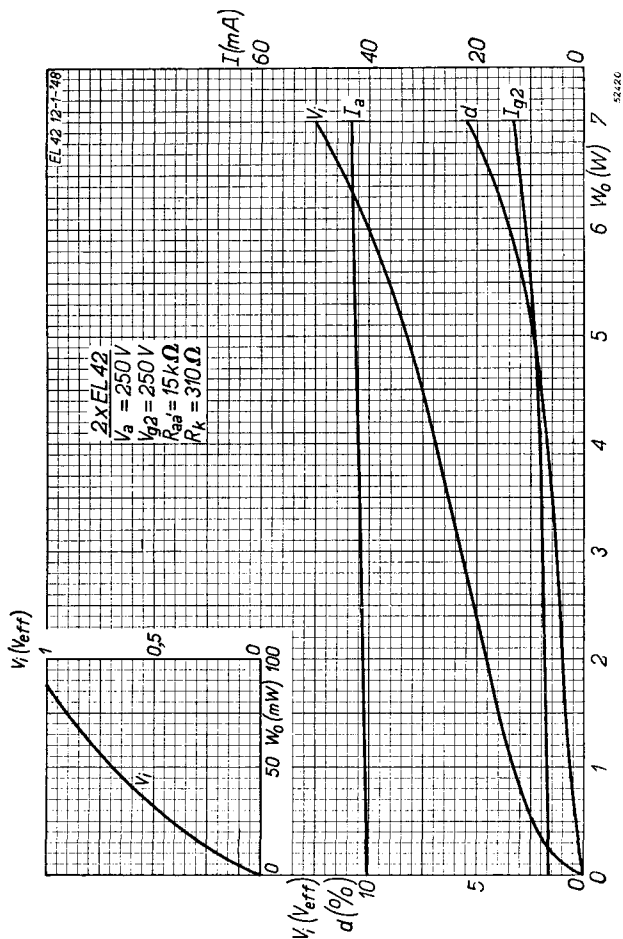


1.3.1948

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	EL42	
page	sheet	date
1	1	1953.11.11
2	2	1953.11.11
3	A	1948.03.01
4	B	1948.03.01
5	C	1948.03.01
6	D	1948.03.01
7	E	1948.03.01
8	F	1948.03.01
9	G	1948.03.01
10	H	1948.03.01
11	I	1948.03.01
12	FP	1999.07.04