

A.F. OUTPUT PENTODE
PENTODE DE SORTIE B.F.
NF-ENDPENTODE

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; Serien-
speisung

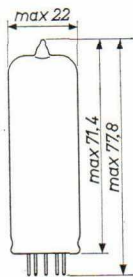
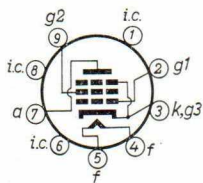
$$I_f = 100 \text{ mA}$$

$$V_f = 45 \text{ V}$$

Dimensions in mm

Dimensions en mm

Abmessungen in mm



Base, culot, Sockel: NOVAL

Capacitances

Capacités

Kapazitäten

C_a	=	6,8 pF
C_{g1}	=	13 pF
C_{ag1}	<	0,6 pF
C_{g1f}	<	0,25 pF

Typical characteristics

Caractéristiques types

Kenndaten

V_a	=	170 V
V_{g2}	=	170 V
V_{g1}	=	-12,5 V
I_a	=	70 mA
I_{g2}	=	3,5 mA
S	=	11 mA/V
μ_{g2g1}	=	8
R_i	=	26 kΩ

Operating characteristics, class A, one tube
 Caractéristiques d'utilisation, classe A, un tube
 Betriebsdaten, Klasse A, eine Röhre

V_b	=	100	170	V
R_k	=	130	130	$\Omega^1)$
$R_{a\sim}$	=	2,1	2,0	k Ω
V_i	=	0 0,55 3,8	0 0,47 6,1	V_{eff}
I_a	=	41 - 42	75 - 76	mA
I_{g2}	=	2,6 - 8,6	4,0 - 16,5	mA
W_o	=	0 0,05 1,55	0 0,05 5,1	W
d_{tot}	=	- - 10	- - 10	%

V_b	=	200	V
R_{g2}	=	470	$\Omega^2)$
R_k	=	215	$\Omega^1)$
$R_{a\sim}$	=	2,5	k Ω
V_i	=	0 0,52 7,0	V_{eff}
I_a	=	65 - 64	mA
I_{g2}	=	3,2 - 11,4	mA
W_o	=	0 0,05 5,3	W
d_{tot}	=	- - 10	%

1) During measurement V_k is kept constant
 Pendant la mesure V_k est tenue constante
 Während der Messung wird V_k konstant gehalten

2) Not bypassed
 Non découplée
 Nicht entkoppelt

Operating characteristics, class AB, two tubes
 Caractéristiques d'utilisation, classe AB, deux tubes
 Betriebsdaten, Klasse AB, zwei Röhren

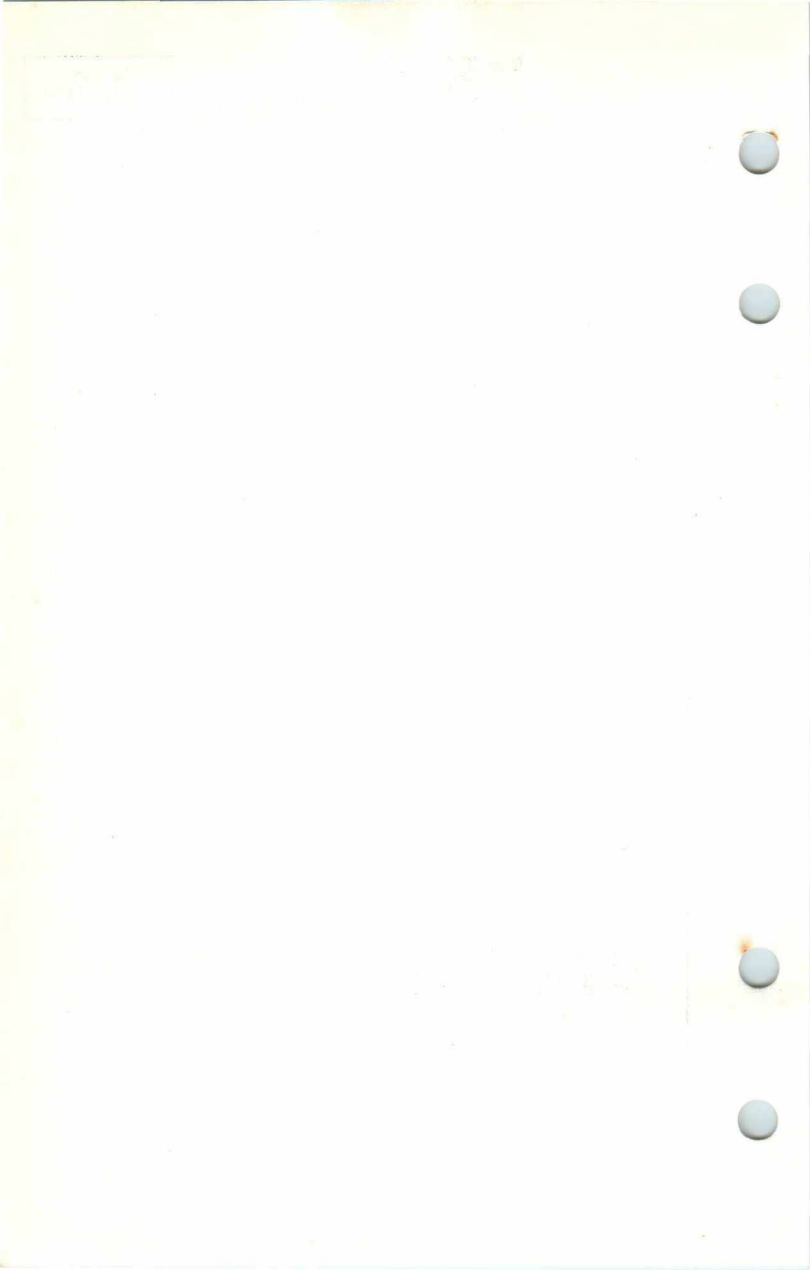
V_b	=	200	V
R_k	=	120	$\Omega^1)$
$R_{aa\sim}$	=	3	k Ω
V_i	=	0 0,47 14,3	V_{eff}
I_a	=	2x60 - 2x64,5	mA
I_{g2}	=	2x3,0 - 2x18,5	mA
W_o	=	0 0,05 14,3	W
d_{tot}	=	- -	3,8 %

Limiting values
 Caractéristiques limites
 Grenzdaten

V_{ao}	= max.	550 V
V_a	= max.	250 V
W_a	= max.	12 W
V_{g2o}	= max.	550 V
V_{g2}	= max.	200 V
W_{g2}	= max.	1,75 W
W_{g2p}	= max.	6 W
I_k	= max.	100 mA
R_{g1}	= max.	1 M $\Omega^1)$
V_{kf}	= max.	200 V
R_{kf}	= max.	20 k Ω

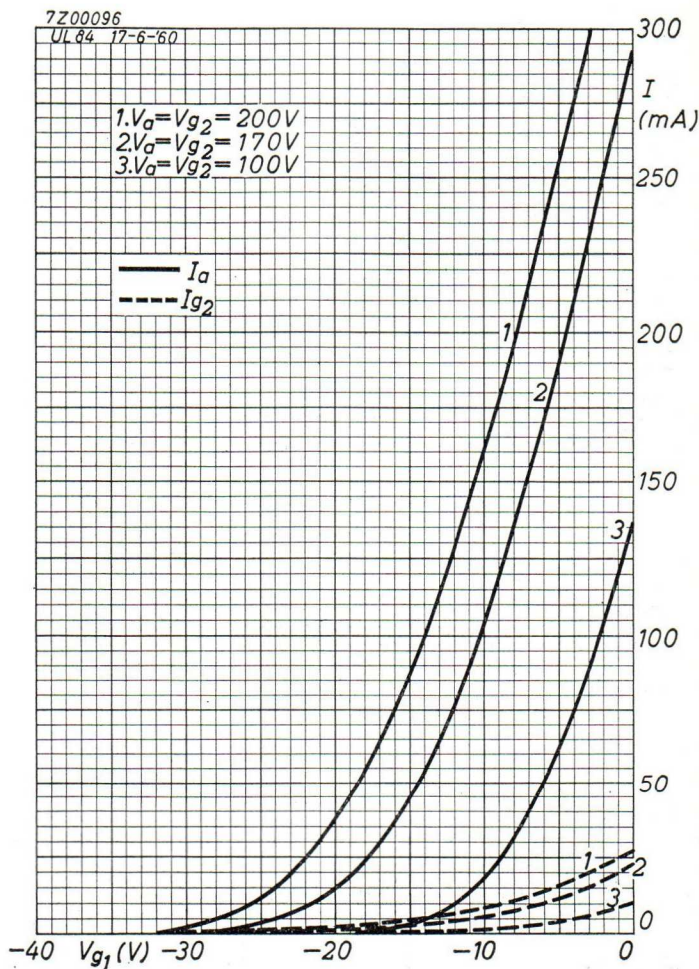
¹⁾ Common cathode resistor
 Résistance cathodique commune
 Gemeinsamer Katodenwiderstand

²⁾ Automatic bias
 Polarisation automatique
 Automatische Gittervorspannung



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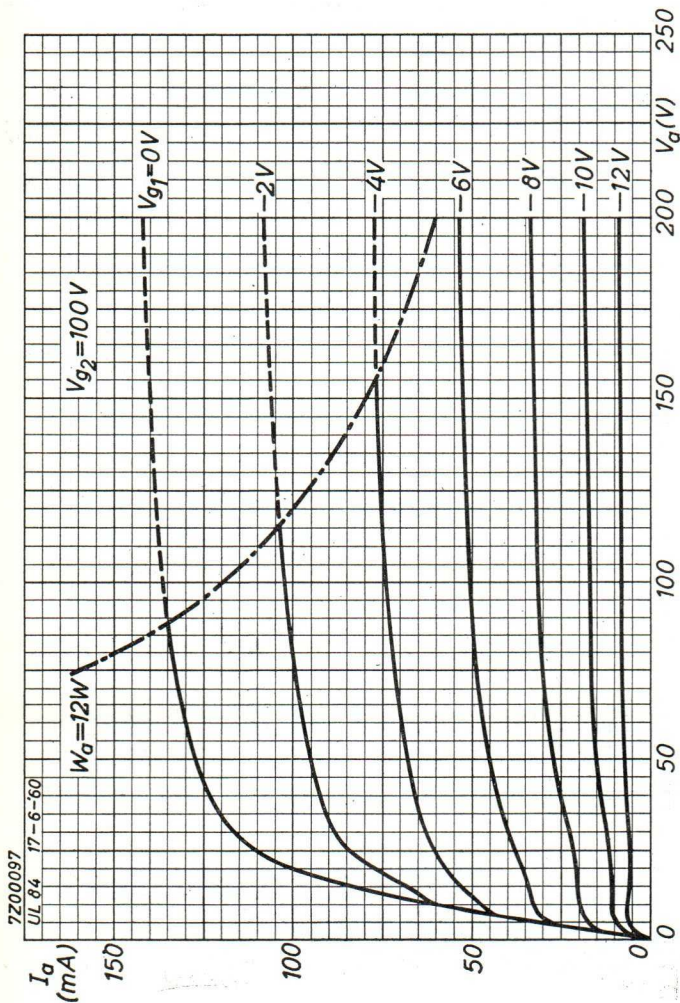


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A

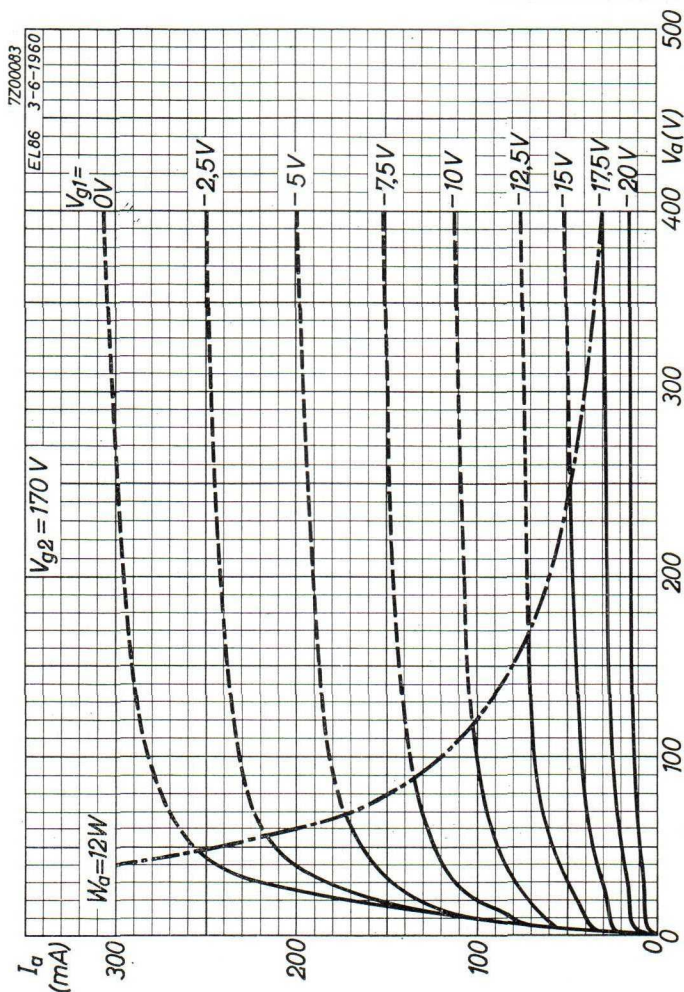
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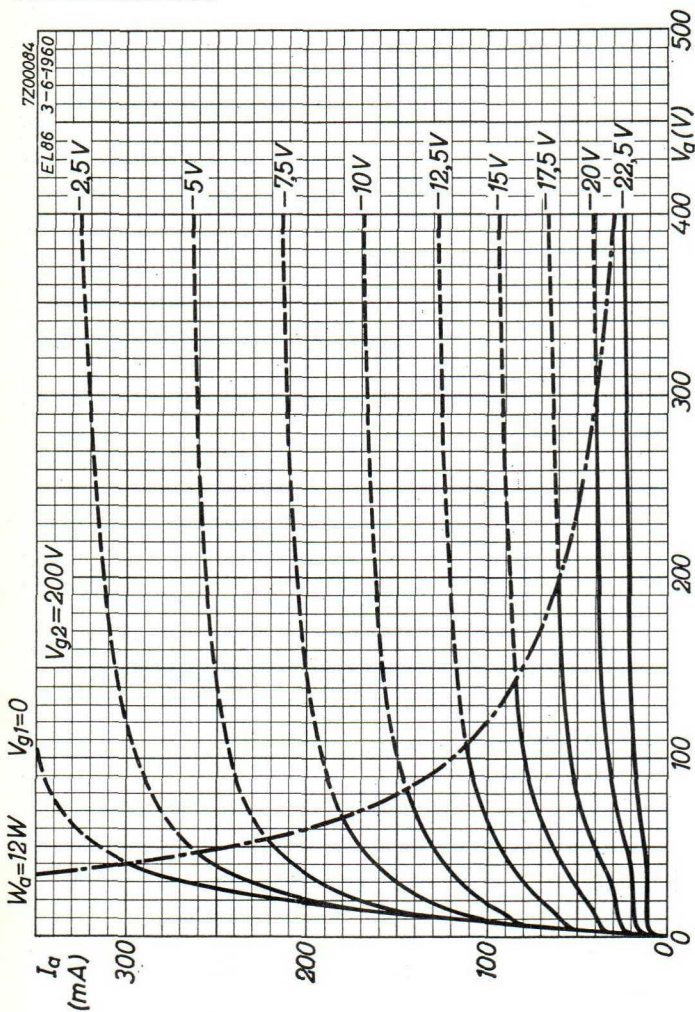


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c

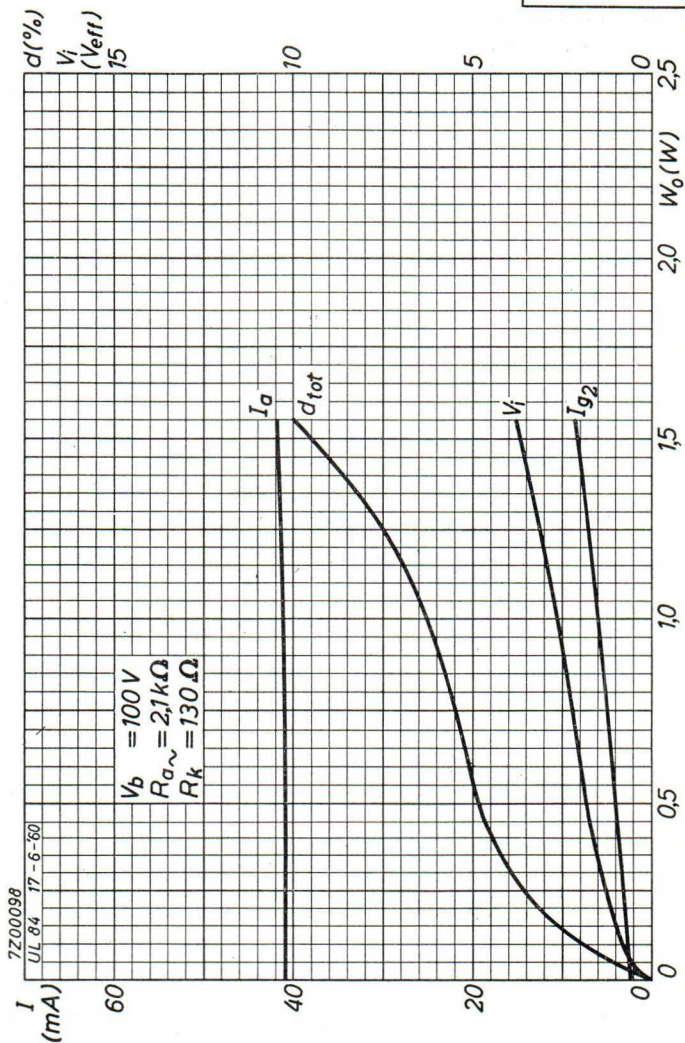
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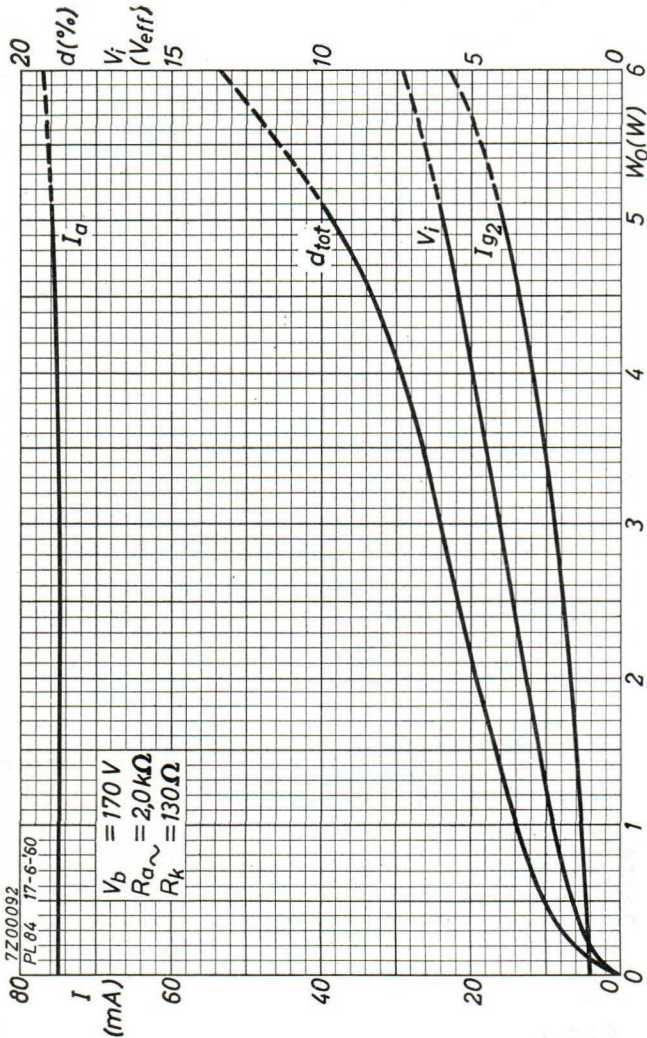


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E

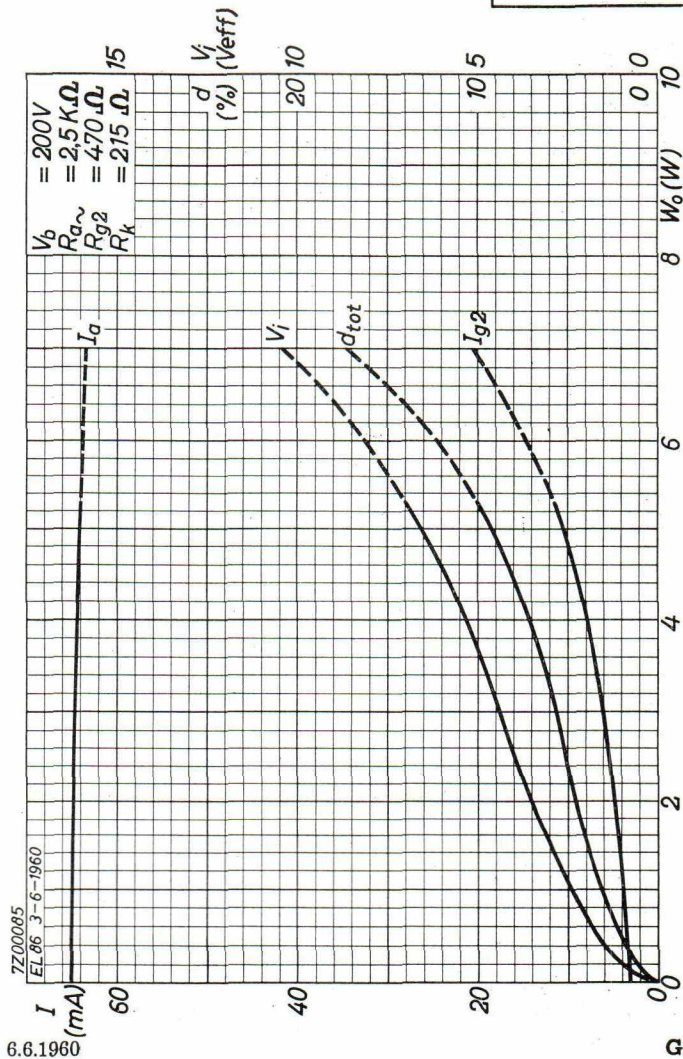
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