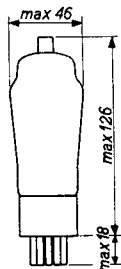
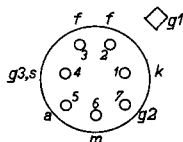
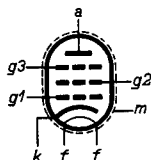


PENTODE for use in telephone equipment
 PENTHODE pour utilisation en équipement téléphonique
 PENTHODE zur Verwendung in Telephon-Anlagen

Heating: indirect by A.C. or D.C.;
 parallel supply
 Chauffage: indirect par C.A. ou C.C.; Vf = 21 V
 alimentation en parallèle If = 0,285 A
 Heizung: indirekt durch Wechsel-
 oder Gleichstrom;
 Parallelspeisung

Dimensions in mm
 Dimensions en mm
 Abmessungen in mm



Capacities
 Capacités
 Kapazitäten

Ca = 10,5 pF
 Cg1 = 16 pF
 Cag1 < 0,02 pF
 Cg1f < 0,1 pF

Typical characteristics
 Caractéristiques typiques
 Kenndaten

Va	=	125 V
Vg3	=	0 V
Vg2	=	125 V
Rk	=	200 Ω
Ia	=	8 mA
Ig2	=	2,5 mA
S	=	8,3 mA/V
μ_{g2g1}	=	42 -
Ri	=	350 kΩ
Req (H.F.)	= max.	1 kΩ
Req (L.F.; B.F.; N.F.)	= max.	10 kΩ

Operating conditions for use as pre-amplifier
 Caractéristiques d'utilisation comme préamplificatrice
 Betriebsdaten zur Verwendung als Vorverstärker

V_a	=	125 V	I_{g2}	=	1,3 mA
V_{g3}	=	0 V	S	=	5,5 mA/V
V_{g2}	=	125 V	R_i	=	550 k Ω
R_k	=	440 Ω	V_o	=	4,35 V
R_a	=	16 k Ω	R_{g1}	= max.	1 M Ω
I_a	=	4,5 mA			
R_{g1}	(with fixed grid bias à polarisation fixe bei fester Gittervorsp.)			= max.	0,5 M Ω

Operating conditions for use as output valve
 Caractéristiques d'utilisation comme tube de sortie
 Betriebsdaten zur Verwendung als Endröhre

V_a	=	125 V	I_{g2}	=	2,5 mA
V_{g3}	=	0 V	S	=	8,3 mA/V
V_{g2}	=	125 V	R_i	=	350 k Ω
R_k	=	200 Ω	W_o	=	0,1 W
R_a	=	30 k Ω	d_{tot}	<	5 %
I_a	=	8 mA	R_{g1}	= max.	0,3 M Ω
R_{g1}	(with fixed grid bias à polarisation fixe bei fester Gittervorsp.)			= max.	0,15 M Ω

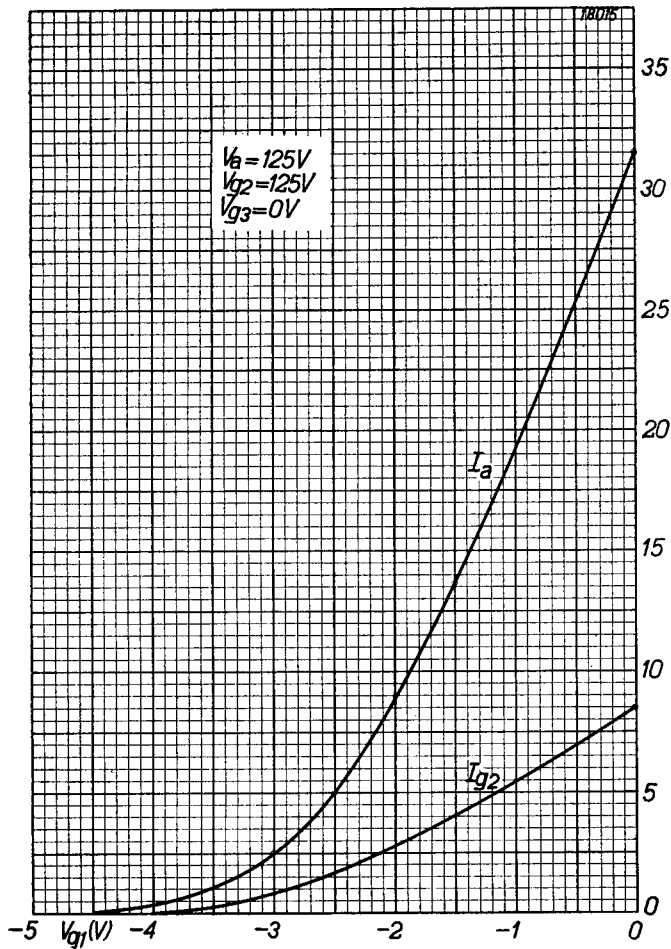
Limiting values
 Caractéristiques limites
 Grenzdaten

V_{a_o}	= max.	300 V
V_a	= max.	150 V
W_a	= max.	1,2 W
V_{g2_o}	= max.	300 V
V_{g2}	= max.	150 V
W_{g2}	= max.	0,4 W
I_k	= max.	13 mA
V_{g1} ($I_{g1} = +0,3 \mu A$)	= max.	-1,3 V
V_{fk}	= max.	50 V
R_{fk}	= max.	20 k Ω

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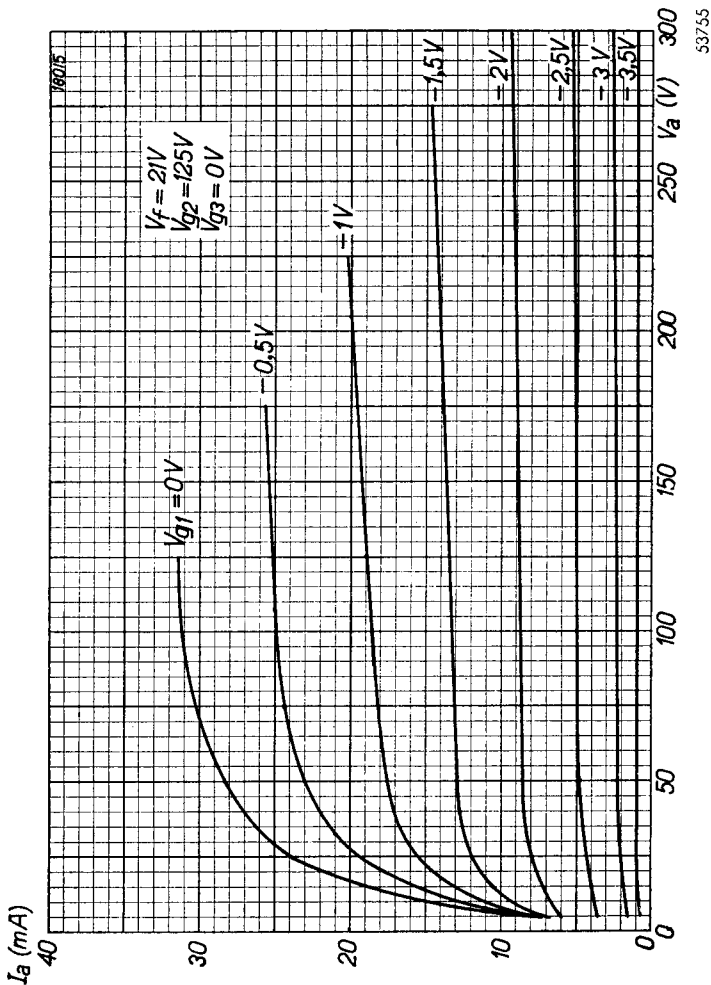
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PHILIPS



*Electronic
Tube*

HANDBOOK

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page	sheet	date
1	1	1948.09.16
2	2	1948.09.16
3	3	1958.05.01
4	4	1958.05.01
5	FP	1999.08.14