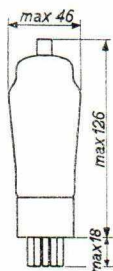
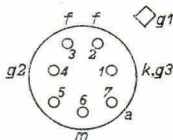
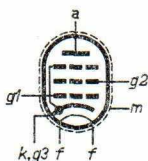


PENTODE for use in telephone equipment
 PENTHODE pour utilisation en équipement téléphonique
 PENTHODE zur Verwendung in Telefon-Anlagen

Heating : indirect by A.C. or D.C.;
 parallel supply
 Chauffage: indirect par C.A. ou C.C.; $V_f = 4$ V
 alimentation en parallèle $I_f = 1,6$ A
 Heizung : indirekt durch Wechsel-
 oder Gleichstrom;
 Parallelspeisung

Dimensions in mm
 Dimensions en mm
 Abmessungen in mm



Capacities
 Capacités
 Kapazitäten

C_a	=	13 pF
C_{g1}	=	15 pF
C_{ag1}	<	0,6 pF
C_{glf}	<	2 pF

Typical characteristics
 Caractéristiques typiques
 Kenndaten

V_a	=	200 V
V_{g2}	=	200 V
R_k	=	125 Ω
I_a	=	35 mA
I_{g2}	=	4,6 mA
S	=	8 mA/V
μ_{52g1}	=	20 -
R_i	=	50 k Ω

18014**PHILIPS**

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

V_a	=	200 V	S	=	8 mA/V
V_{g2}	=	200 V	R_i	=	50 k Ω
R_k	=	125 Ω	$\frac{V_o}{V_i}$	=	4 Mj
R_a	=	8 k Ω			
I_a	=	35 mA	R_{g1}	= max.	1 M Ω
I_{g2}	=	4,6 mA			

(with fixed grid bias)
 R_{g1} (à polarisation fixe) = max, 0,5 M Ω
 (bei fester Gittervorsp.)

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

V_a	=	200 V	S	=	8 mA/V
V_{g2}	=	200 V	R_i	=	50 k Ω
R_k	=	125 Ω	W_o	=	0,8 W
R_a	=	8 k Ω	d_{tot}	<	3 %
I_a	=	35 mA	R_{g1}	= max.	0,3 M Ω
I_{g2}	=	4,6 mA			

(with fixed grid bias)
 R_{g1} (à polarisation fixe) = max, 0,15 M Ω
 (bei fester Gittervorsp.)

Limiting values
 Caractéristiques limites
 Grenzdaten

V_{a_o}	= max.	450 V
V_a	= max.	220 V
W_a	= max.	7 W
V_{g2_o}	= max.	450 V
V_{g2}	= max.	220 V
W_{g2}	= max.	1 W
I_k	= max.	50 mA
V_{g1} ($I_{g1} = +0,3 \mu A$)	= max.	-1,3 V
V_{fk}	= max.	50 V
R_{fk}	= max.	3 k Ω