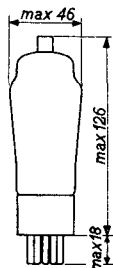
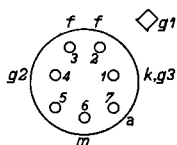
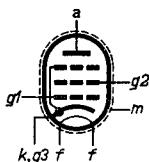


PENTODE for use in telephone equipment  
 PENTHODE pour utilisation en équipement téléphonique  
 PENTHODE zur Verwendung in Telephon-Anlagen

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

Dimensions in mm  
 Dimensions en mm  
 Abmessungen in mm



Capacities  
 Capacités  
 Kapazitäten

$C_a = 13 \text{ pF}$   
 $C_{g1} = 15 \text{ pF}$   
 $C_{g1} < 0,6 \text{ pF}$   
 $C_{glf} < 2 \text{ pF}$

Typical characteristics  
 Caractéristiques typiques  
 Kenndaten

$V_a = 200 \text{ V}$   
 $V_{g2} = 200 \text{ V}$   
 $R_k = 125 \Omega$   
 $I_a = 35 \text{ mA}$   
 $I_{g2} = 4,6 \text{ mA}$   
 $S = 8 \text{ mA/V}$   
 $\mu_{g2g1} = 20 -$   
 $R_i = 50 \text{ k}\Omega$

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 $\Omega$     |
| $R_k$    | = 125 $\Omega$ | $\frac{V_o}{V_i}$ | = 4 N               |
| $R_a$    | = 8 k $\Omega$ |                   |                     |
| $I_a$    | = 35 mA        | $R_{g1}$          | = max. 1 M $\Omega$ |
| $I_{g2}$ | = 4,6 mA       |                   |                     |

(with fixed grid bias)  
 $R_{g1}$  (à polarisation fixe) = max, 0,5 M $\Omega$   
 (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 $\Omega$       |
| $R_k$    | = 125 $\Omega$ | $W_o$     | = 0,8 W               |
| $R_a$    | = 8 k $\Omega$ | $d_{tot}$ | < 3 %                 |
| $I_a$    | = 35 mA        | $R_{g1}$  | = max. 0,3 M $\Omega$ |
| $I_{g2}$ | = 4,6 mA       |           |                       |

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

Limiting values  
 Caractéristiques limites  
 Grenzwerte

|                                    |                     |
|------------------------------------|---------------------|
| $V_{a_o}$                          | = 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 $\Omega$ |



|      | 18014 |            |
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| 1    | 1     | 1948.09.18 |
| 2    | 2     | 1948.09.18 |
| 3    | FP    | 1999.08.14 |