

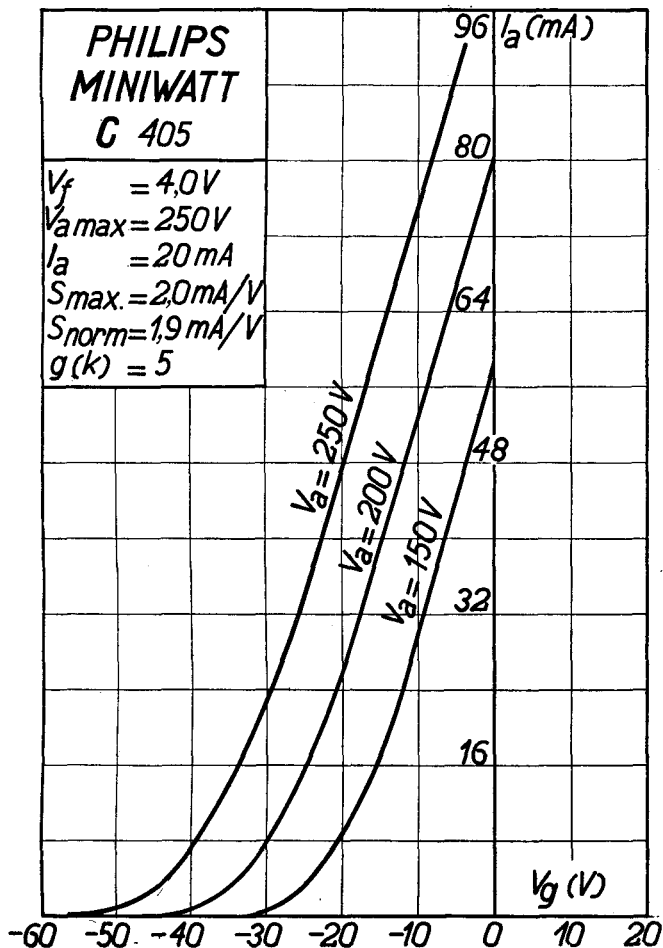
## PHILIPS „MINIWATT“

|                                       |                    |               |
|---------------------------------------|--------------------|---------------|
| Heizspannung .....                    |                    |               |
| Tension de chauffage .....            | $v_f$              | = 4,0 V       |
| Filament voltage .....                |                    | ca.           |
| Heizstrom .....                       |                    | = env. 0,30 A |
| Courant de chauffage .....            | $i_f$              | appr.         |
| Filament current .....                |                    |               |
| Anodenspannung .....                  |                    |               |
| Tension anodique .....                | $v_{a \max.}$      | = 250 V       |
| Anode voltage .....                   |                    |               |
| Normaler Anodenstrom .....            |                    |               |
| Courant anodique normal .....         | $i_a$              | = 20 mA       |
| Normal anode current .....            |                    |               |
| Neg. Gittervorspannung .....          |                    | ca.           |
| Polarisation négative de grille ..... | $v_g$              | = env. 32 V   |
| Negative grid bias .....              |                    | appr.         |
| Verstärkungsfaktor .....              |                    |               |
| Coefficient d'amplification .....     | $g(k)$             | = 5           |
| Amplification factor .....            |                    |               |
| Steilheit (max.) .....                |                    |               |
| Inclinaison (max.) .....              | $S_{\max.}$        | = 2,0 mA/V    |
| Slope (max.) .....                    |                    |               |
| Steilheit (norm.) .....               |                    |               |
| Inclinaison (norm.) .....             | $S_{\text{norm.}}$ | = 1,9 mA/V    |
| Slope (norm.) .....                   |                    |               |
| Innerer Widerstand (norm.) .....      |                    |               |
| Résistance intérieure (norm.) .....   | $R_i$              | = 2600 Ohm    |
| Internal resistance (norm.) .....     |                    |               |
| Anodenverlustleistung .....           |                    |               |
| Dissipation anodique .....            | $w_{a \max.}$      | = 5 W         |
| Anode dissipation .....               |                    |               |
| Max. Länge .....                      |                    |               |
| Longueur max. ....                    | $l$                | = 91 mm       |
| Overall length .....                  |                    |               |
| Grösster Durchmesser .....            |                    |               |
| Diamètre max. ....                    | $d$                | = 46 mm       |
| Max. diameter .....                   |                    |               |
| Sockel .....                          |                    |               |
| Culot .....                           |                    | = A 32        |
| Base .....                            |                    |               |
| Sockelschaltung .....                 |                    |               |
| Connexion du culot .....              |                    | = S. I        |
| Base connection .....                 |                    |               |

Anwendung: Endstufe  
 Applications: Tube final  
 Function: Power valve

**PHILIPS  
MINIWATT  
C 405**

$V_f = 4,0V$   
 $V_{a\max} = 250V$   
 $I_a = 20\text{ mA}$   
 $S_{\max} = 2,0\text{ mA/V}$   
 $S_{\text{norm}} = 1,9\text{ mA/V}$   
 $g(k) = 5$



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|                            |          |                         |
|----------------------------|----------|-------------------------|
| Max. Anodenspannung .....  | $V_{ao}$ | $\approx 400 \text{ V}$ |
| Tension anodique max. .... | $V_{aL}$ | $\approx 250 \text{ V}$ |
| Max. anode voltage .....   |          |                         |

|                                |       |                 |
|--------------------------------|-------|-----------------|
| Max. Anodenbelastung .....     | $W_a$ | $= 5 \text{ W}$ |
| Dissipation anodique max. .... |       |                 |
| Max. anode dissipation .....   |       |                 |

|                              |       |                   |
|------------------------------|-------|-------------------|
| Max. Kathodenstrom .....     | $I_c$ | $= 25 \text{ mA}$ |
| Courant cathodique max. .... |       |                   |
| Max. cathode current .....   |       |                   |

|                                        |                                    |                  |
|----------------------------------------|------------------------------------|------------------|
| Gitterstrom-Einsatzpunkt .....         | $V_{gi}$                           | $= -2 \text{ V}$ |
| Point de commenc. du courant de grille | $(V_{gi} = 4 \text{ V } \sqrt{V})$ |                  |
| Starting point of grid current .....   |                                    |                  |

|                                           |          |                          |
|-------------------------------------------|----------|--------------------------|
| Max. Widerstand im Gitterkreis .....      | $R_{g1}$ | $= 1,5 \text{ M.}\Omega$ |
| Résistance max. dans le circuit de grille | $R_{g2}$ | $= 1,0 \text{ M.}\Omega$ |
| Max. resistance in grid circuit .....     |          |                          |

|                       |       |                                      |                   |
|-----------------------|-------|--------------------------------------|-------------------|
| Nutzleistung .....    | $W_o$ | $(V_{g \text{ eff}} = 22 \text{ V})$ | $= 1,1 \text{ W}$ |
| Puissance utile ..... |       | $(R_a = 5200 \Omega)$                |                   |
| Output .....          |       |                                      |                   |

|                   |          |                        |
|-------------------|----------|------------------------|
| Kapazitäten ..... | $C_{ag}$ | $= 4,8 \mu\mu\text{F}$ |
| Capacités .....   | $C_{ak}$ | $= 3,4 \mu\mu\text{F}$ |
| Capacities .....  | $C_{gk}$ | $= 5,3 \mu\mu\text{F}$ |

$I_a$  (mA)

