

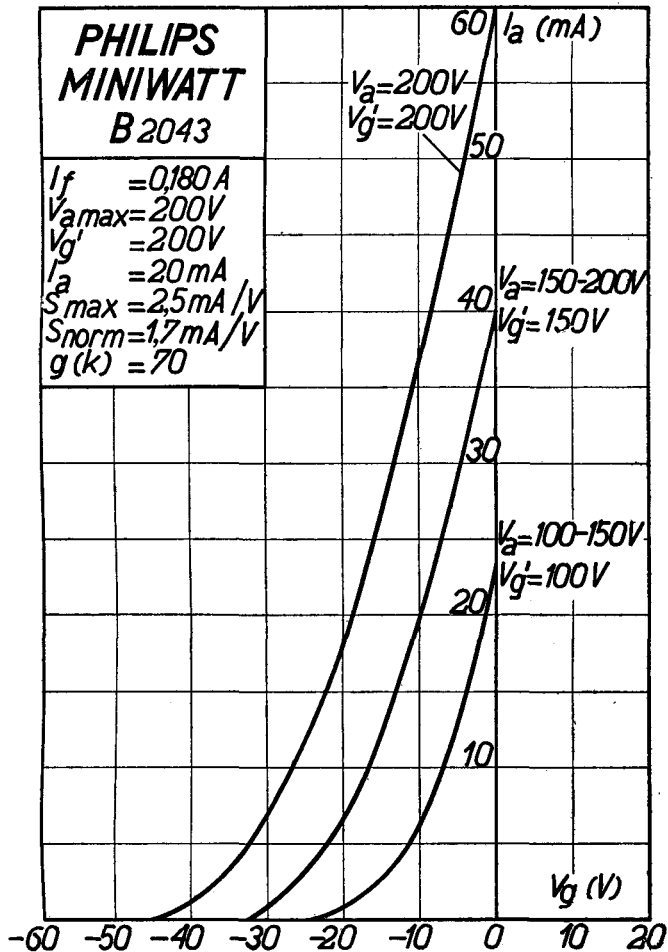
## PHILIPS „MINIWATT“

|                                           |                   |   |                           |
|-------------------------------------------|-------------------|---|---------------------------|
| Heizspannung . . . . .                    | $V_f$             | = | ca.<br>env. 20 V<br>appr. |
| Tension de chauffage . . . . .            |                   |   |                           |
| Filament voltage . . . . .                |                   |   |                           |
| Heizstrom . . . . .                       | $I_f$             | = | 0,180 A                   |
| Courant de chauffage . . . . .            |                   |   |                           |
| Filament current . . . . .                |                   |   |                           |
| Anodenspannung . . . . .                  | $V_{a \max.}$     | = | 200 V                     |
| Tension anodique . . . . .                |                   |   |                           |
| Anode voltage . . . . .                   |                   |   |                           |
| Schirmgitterspannung . . . . .            | $V_{g'}$          | = | 200 V                     |
| Tension de grille-écran . . . . .         |                   |   |                           |
| Screen-grid voltage . . . . .             |                   |   |                           |
| Normaler Anodenstrom . . . . .            | $I_a$             | = | 20 mA                     |
| Courant anodique normal . . . . .         |                   |   |                           |
| Normal anode current . . . . .            |                   |   |                           |
| Neg. Gittervorspannung . . . . .          | $V_g$             | = | ca.<br>env. 18 V<br>appr. |
| Polarisation négative de grille . . . . . |                   |   |                           |
| Negative grid bias . . . . .              |                   |   |                           |
| Verstärkungsfaktor . . . . .              | $g(k)$            | = | 70                        |
| Coefficient d'amplification . . . . .     |                   |   |                           |
| Amplification factor . . . . .            |                   |   |                           |
| Steilheit (max.) . . . . .                | $S_{\max.}$       | = | 2,5 mA/V                  |
| Inclinaison (max.) . . . . .              |                   |   |                           |
| Slope (max.) . . . . .                    |                   |   |                           |
| Steilheit (norm.) . . . . .               | $S_{\text{norm}}$ | = | 1,7 mA/V                  |
| Inclinaison (norm.) . . . . .             |                   |   |                           |
| Slope (norm.) . . . . .                   |                   |   |                           |
| Innerer Widerstand (norm.) . . . . .      | $R_i$             | = | 40000 Ohm                 |
| Résistance intérieure (norm.) . . . . .   |                   |   |                           |
| Internal resistance (norm.) . . . . .     |                   |   |                           |
| Max. Länge . . . . .                      | $l$               | = | 105 mm                    |
| Longueur max. . . . .                     |                   |   |                           |
| Overall length . . . . .                  |                   |   |                           |
| Grösster Durchmesser . . . . .            | $d$               | = | 51 mm                     |
| Diamètre max. . . . .                     |                   |   |                           |
| Max. diameter . . . . .                   |                   |   |                           |
| Sockel . . . . .                          |                   | = | B 35                      |
| Culot . . . . .                           |                   |   |                           |
| Base . . . . .                            |                   |   |                           |
| Sockelschaltung . . . . .                 |                   | = | S. XVIII                  |
| Connexion du culot . . . . .              |                   |   |                           |
| Base connection . . . . .                 |                   |   |                           |

Anwendung: Endstufe  
 Application: Tube final  
 Function: Power valve

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$I_f = 0,180 \text{ A}$   
 $V_{a \text{ max}} = 200 \text{ V}$   
 $V_{g'} = 200 \text{ V}$   
 $I_a = 20 \text{ mA}$   
 $S_{\text{max}} = 2,5 \text{ mA/V}$   
 $S_{\text{norm}} = 1,7 \text{ mA/V}$   
 $g(k) = 70$



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|                                           |                 |                                                                           |
|-------------------------------------------|-----------------|---------------------------------------------------------------------------|
| Max. Anodenspannung .....                 | $V_{ao}$        | = 250 V                                                                   |
| Tension anodique max. ....                | $V_{aL}$        | = 200 V                                                                   |
| Max. anode voltage .....                  |                 |                                                                           |
| Max. Anodenbelastung .....                | $W_a$           | = 5 W                                                                     |
| Dissipation anodique max. ....            |                 |                                                                           |
| Max. anode dissipation .....              |                 |                                                                           |
| Max. Kathodenstrom .....                  | $I_c$           | = 30 mA                                                                   |
| Courant cathodique max. ....              |                 |                                                                           |
| Max. cathode current .....                |                 |                                                                           |
| Max. Schirmgitterspannung .....           | $V_{g'o}$       | = 250 V                                                                   |
| Tension de grille-écran max. ....         | $V_{g'}$        | = 200 V                                                                   |
| Max. screen-grid voltage .....            |                 |                                                                           |
| Max. Schirmgitterbelastung .....          | $W_{g'}$        | = 3 W                                                                     |
| Dissipation de grille-écran max. ....     |                 |                                                                           |
| Max. screen-grid dissipation .....        |                 |                                                                           |
| Mittlerer Schirmgitterstrom .....         | $I_{g'}$        | = 8 mA                                                                    |
| Courant de grille-écran moyen ....        |                 |                                                                           |
| Average screen-grid current .....         |                 |                                                                           |
| Ungefähre Grenzw. des Schirmgitterstr.    | $I_{g'}^{min}$  | = 4 mA                                                                    |
| Limites approxim. du cour. de gr.-écran   | $I_{g'}^{max.}$ | = 12 mA                                                                   |
| Approx. limits of screen-grid current     |                 |                                                                           |
| Gitterstrom-Einsatzpunkt .....            | $V_{gi}$        | = -1,3 V                                                                  |
| Point de commenc. du courant de grille    |                 |                                                                           |
| Starting point of grid current .....      |                 |                                                                           |
| Max. Widerstand im Gitterkreis .....      | $R_{g1}$        | = 1 M. Ohm                                                                |
| Résistance max. dans le circuit de grille | $R_{g2}$        | = 0,6 M. Ohm                                                              |
| Max. resistance in grid circuit .....     |                 |                                                                           |
| Max. Spann. zwischen Faden und Kath.      | $V_{fc}$        | = 120 V                                                                   |
| Tension max. entre filament et cathode    |                 |                                                                           |
| Max. voltage between filam. and cathode   |                 |                                                                           |
| Nutzleistung .....                        | $W_{01}$        | $(V_{g' eff} = 8 \text{ V})$<br>$(R_a = 10000 \Omega) = 1,0 \text{ W}$    |
| Puissance utile .....                     | $W_{02}$        | $(V_{g' eff} = 11,5 \text{ V})$<br>$(R_a = 10000 \Omega) = 1,7 \text{ W}$ |
| Output .....                              |                 |                                                                           |
| Kapazitäten .....                         | $C_{ag}$        | = 1,2 $\mu\mu\text{F}$                                                    |
| Capacités .....                           | $C_{ak}$        | = 7,3 $\mu\mu\text{F}$                                                    |
| Capacities .....                          | $C_{gk}$        | = 6,3 $\mu\mu\text{F}$                                                    |

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