

## PHILIPS „MINIWATT“

|                            |       |   |          |
|----------------------------|-------|---|----------|
| Heizspannung .....         |       |   |          |
| Tension de chauffage ..... | $V_f$ | = | ca. 20 V |
| Filament voltage .....     |       |   | appr.    |

|                            |       |   |         |
|----------------------------|-------|---|---------|
| Heizstrom .....            |       |   |         |
| Courant de chauffage ..... | $I_f$ | = | 0,180 A |
| Filament current .....     |       |   |         |

|                             |           |   |        |
|-----------------------------|-----------|---|--------|
|                             | $V_a$     | = | 200 V  |
|                             | $V_{g^4}$ | = | -3 V   |
| Elektrodenspannungen .....  | $V_{g^3}$ | = | 200 V  |
| Tensions d'électrodes ..... | $V_{g^2}$ | = | 100 V  |
| Electrode voltages .....    | $V_{g^1}$ | = | -1,5 V |

|                             |           |   |      |
|-----------------------------|-----------|---|------|
| Elektrodenströme .....      | $I_a$     | = | 3 mA |
| Courants d'électrodes ..... | $I_{g^3}$ | = | 7 mA |
| Electrode currents .....    |           |   |      |

|                      |     |   |        |
|----------------------|-----|---|--------|
| Max. Länge .....     |     |   |        |
| Longueur max. ....   | $l$ | = | 130 mm |
| Overall length ..... |     |   |        |

|                            |     |   |       |
|----------------------------|-----|---|-------|
| Grösster Durchmesser ..... |     |   |       |
| Diamètre max. ....         | $d$ | = | 50 mm |
| Max. diameter .....        |     |   |       |

|              |  |   |      |
|--------------|--|---|------|
| Sockel ..... |  |   |      |
| Culot .....  |  | = | C 35 |
| Base .....   |  |   |      |

|                          |  |   |        |
|--------------------------|--|---|--------|
| Sockelschaltung .....    |  |   |        |
| Connexion du culot ..... |  | = | S XVII |
| Base connection .....    |  |   |        |

|              |                        |
|--------------|------------------------|
| Anwendung:   | Oszillator-Modulator   |
| Application: | Oscillateur-modulateur |
| Function:    | Oscillator-modulator   |



## PHILIPS „MINIWATT“

|                                         |               |              |                 |
|-----------------------------------------|---------------|--------------|-----------------|
|                                         | $V_{ao}$      | =            | 250 V           |
|                                         | $V_{aR}$      | =            | 250 V           |
|                                         | $V_{aL}$      | =            | 200 V           |
| Max. Elektroden Spannungen .....        | $V_{g3o}$     | =            | 250 V           |
| Tensions d'électrodes max. ....         | $V_{g3R}$     | =            | 200 V           |
| Max. electrode voltages .....           | $V_{g3L}$     | =            | 200 V           |
|                                         | $V_{g2o}$     | =            | 175 V           |
|                                         | $V_{g2}$      | =            | 120 V           |
| Max. Elektroden Belastungen .....       | $W_a$         | =            | > 1 W           |
| Dissipations d'électrodes max. ....     | $W_{g3}$      | =            | > 2 W           |
| Max. electrode dissipations .....       | $W_{g2}$      | =            | 0,4 W           |
| Max. Kathodenstrom .....                |               |              |                 |
| Courant cathodique max. ....            | $I_c$         | =            | 15 mA           |
| Max. cathode current .....              |               |              |                 |
| Mittlerer Schirmgitterstrom .....       |               | ca.          |                 |
| Courant de grille-écran moyen .....     | $I_{g2}$      | = env. 1,8 m |                 |
| Average screen-grid current .....       |               | appr.        |                 |
| Gitterstrom-Einsatzpunkt .....          | $V_{g4i}$     | =            | -1,3 V          |
| Point de commenc. du courant de grille  | $V_{g1i}$     | =            | -1,3 V          |
| Starting point of grid current .....    |               |              |                 |
| Max. Spann. zwischen Faden und Kath.    | $V_{fc}$      | =            | 100 V           |
| Tension max. entre filament et cathode  |               |              |                 |
| Max. voltage between filam. and cathode | $C_{g1g3}$    | ca.          |                 |
|                                         |               | = env. 0,015 |                 |
|                                         |               | appr.        |                 |
| Kapazitäten .....                       | $C_a$         | =            | 12,5 $\mu\mu F$ |
| Capacités .....                         | $C_{g1}$      | =            | 7 $\mu\mu F$    |
| Capacities .....                        | $C_{g3} + g4$ | =            | 11,5 $\mu\mu F$ |

$I_a$  (mA)

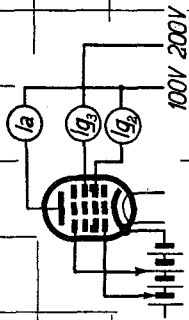
**PHILIPS**  
**MINIWATT**  
**B 2048**

$I_f = 180 \text{ mA}$

$V_{g_2} = 100 \text{ V}$

$V_{g_3} = 200 \text{ V}$

$V_{g_1} = -1.5 \text{ V}$



$V_{g_4} = +2 \text{ V}$

$V_{g_4} = 0 \text{ V}$

$V_{g_4} = -2 \text{ V}$

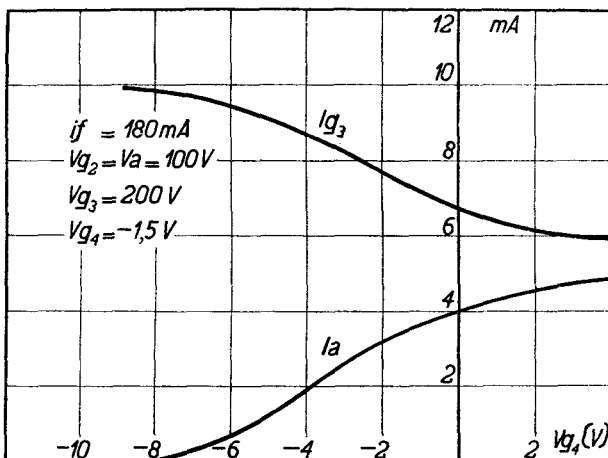
$V_{g_4} = -4 \text{ V}$

$V_{g_4} = -6 \text{ V}$

$V_{g_4} = -8 \text{ V}$

$V_{g_4} = -10 \text{ V}$

$V_a$  (V)



**PHILIPS  
MINIWATT  
B2048**

