

# PHILIPS

DB 9.4

DG 9.4

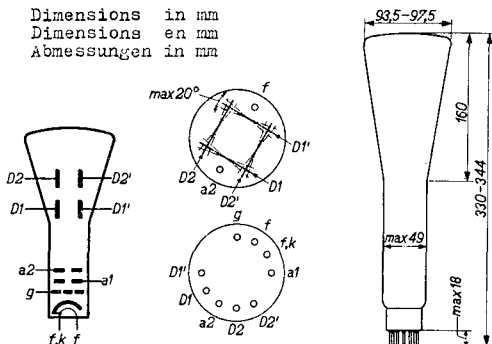
DN 9.4

High vacuum CATHODE RAY TUBE for oscillography  
TUBE A RAYONS CATHODIQUES à vide poussé pour oscillographie  
Hochvakuum KATHODENSTRAHLRÖHRE für Oszillographie

|        |               |               |               |
|--------|---------------|---------------|---------------|
|        | <u>DB 9-4</u> | <u>DG 9-4</u> | <u>DN 9-4</u> |
| Screen | blue          | green         | persistent    |
| Ecran  | bleu          | vert          | persistent    |
| Schirm | blau          | grün          | nachleuchtend |

|            |                             |                       |
|------------|-----------------------------|-----------------------|
| Heating:   | indirect by A.C.            | $V_f = 4,0 \text{ V}$ |
| Chauffage: | indirect par C.A.           | $I_f = 1,0 \text{ A}$ |
| Heizung:   | indirekt durch Wechselstrom |                       |

Dimensions in mm  
Dimensions en mm  
Abmessungen in mm



Base, Culot, Fuss: FJ

|              |            |
|--------------|------------|
| Focusing     |            |
| Focalisation | electrost. |
| Fokussierung |            |

|            |                        |
|------------|------------------------|
| Deflection | double electrostatic   |
| Déviation  | électrostatique double |
| Ablenkung  | doppel-elektrostatisch |

D1D1' symmetr.

D2D2' symmetr.

DB 9-4  
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Capacitances  
Capacités  
Kapazitäten

$C_g = 8 \text{ pF}$   
 $C_{D1} = 9,5 \text{ pF}$   
 $C_{D1'} = 9,5 \text{ pF}$   
 $C_{D2} = 10 \text{ pF}$   
 $C_{D2'} = 10 \text{ pF}$   
 $C_{D1D1'} = 1,1 \text{ pF}$   
 $C_{D2D2'} = 1,3 \text{ pF}$

Net weight  
Poids net  
Nettogewicht

330 g

Shipping weight  
Poids brut  
Bruttogewicht

840 g

Line width

Epaisseur de la ligne  
Linienbreite

( $V_{a2} = 1000 \text{ V}$ )  
( $I_f = 0,5 \text{ mA}$ )

0,7 mm<sup>1)</sup>

Operating conditions

Caractéristiques d'utilisation

Betriebsdaten

$V_{a2} = 1000 \text{ V}$   
 $V_{a1} = 200 - 400 \text{ V}$   
 $-V_g = 0 - 40 \text{ V}$   
 $N1 = 0,40 \text{ mm/V}$   
 $N2 = 0,31 \text{ mm/V}$

Limiting values

Caractéristiques limites

Grenzdaten

$V_{a2} = \text{max. } 1200 \text{ V}$   
 $V_{a1} = \text{max. } 500 \text{ V}$   
 $V_g = \text{max. } 0 \text{ V}$   
 $-V_g = \text{max. } 200 \text{ V}$   
 $V_{D1D1'p} = \text{max. } 350 \text{ V}$   
 $V_{D2D2'p} = \text{max. } 450 \text{ V}$   
 $W_f = \text{max. } 3 \text{ mW/cm}^2$   
 $R_D = \text{max. } 2,5 \text{ M}\Omega$   
 $R_g = \text{max. } 1,5 \text{ M}\Omega$

<sup>1)</sup> Measured on a circle of 50 mm diameter  
Mesuré à un cercle de 50 mm diamètre  
Gemessen an einem Kreis von 50 mm Durchmesser

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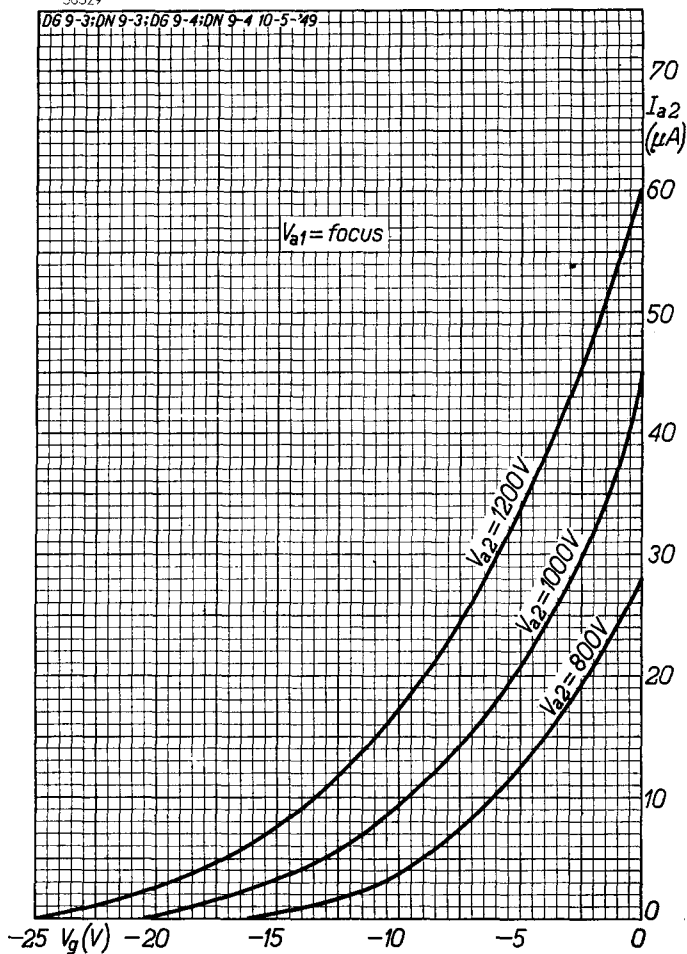
DB 9-4

DG 9-4

DN 9-4

58529

D6 9-3; DN 9-3; D6 9-4; DN 9-4 10-5-49



10.10.1949

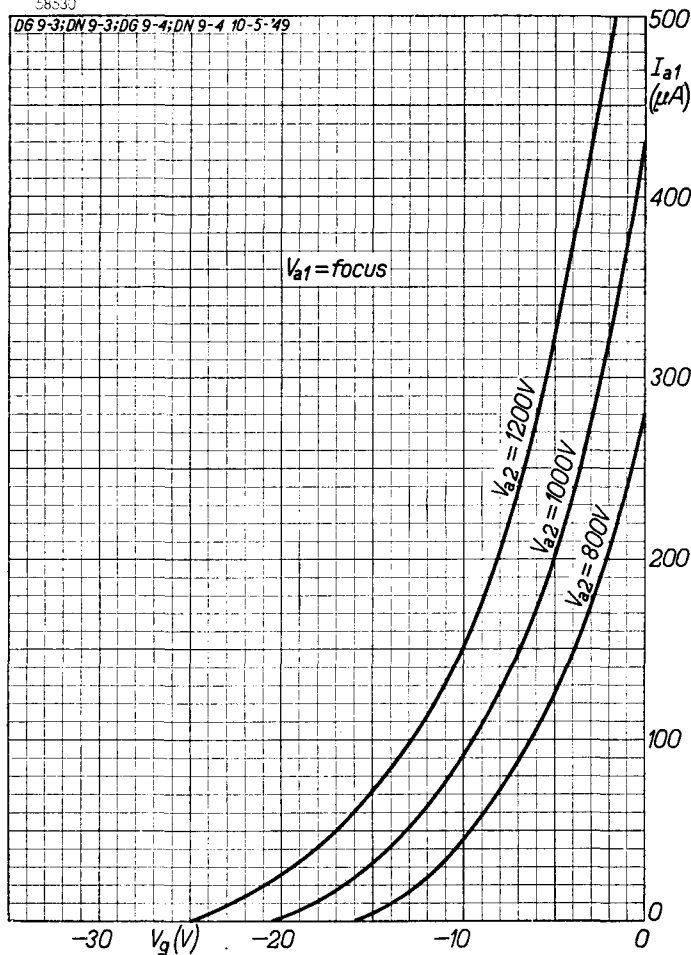
A

DB 9-4  
DG 9-4  
DN 9-4

# PHILIPS

58530

06 9-3; DN 9-3; DG 9-4; DN 9-4 10-5-49



# PHILIPS

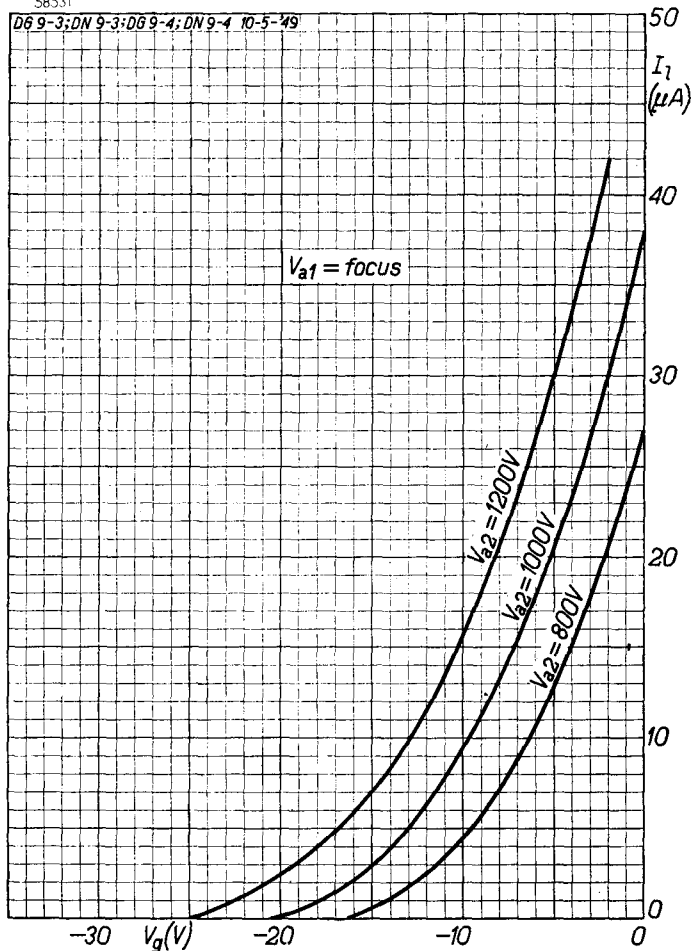
DB 9-4

DG 9-4

DN 9-4

58531

DG 9-3; DN 9-3; DG 9-4; DN 9-4 10-5-49



10.10.1949

C



**DB9-4 DG9-4 DN9-4**

| <b>page</b> | <b>sheet</b> | <b>date</b> |
|-------------|--------------|-------------|
| 1           | 1            | 1949.10.10  |
| 2           | 2            | 1949.10.10  |
| 3           | A            | 1949.10.10  |
| 4           | B            | 1949.10.10  |
| 5           | C            | 1949.10.10  |
| 6           | FP           | 2000.09.24  |