

# PHILIPS

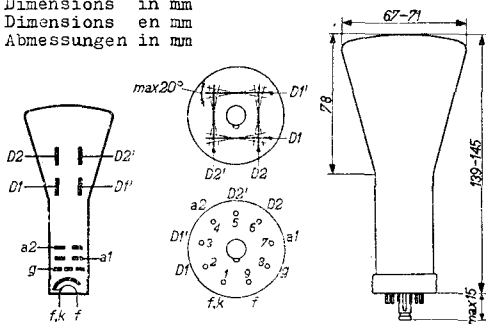
|        |
|--------|
| DB 7-3 |
| DG 7-3 |
| DN 7-3 |
| DR 7-3 |

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

|        |               |                      |
|--------|---------------|----------------------|
|        | <u>DB 7-3</u> | <u>DN 7-3</u>        |
| Screen | blue          | persistent           |
| Ecran  | bleu          | persistant           |
| Schirm | blau          | nachleuchtend        |
|        | <u>DG 7-3</u> | <u>DR 7-3</u>        |
|        | green         | long persistent      |
|        | vert          | à longue persistance |
|        | grün          | lange nachleuchtend  |

Heating: indirect by A.C. or D.C.  
 Chauffage: indirect par C.A. ou C.C. Vf = 6,3 V  
 Heizung: indirekt durch Wechsel- If = 0,4 A  
 oder Gleichstrom

Dimensions in mm  
 Dimensions en mm  
 Abmessungen in mm



Base, Culot, Fuss: ENNE-AL

Focusing  
 Focalisation  
 Fokussierung

electrost.

Deflection  
 Déviation  
 Ablenkung

double electrostatic  
 électrostatique double  
 doppel-elektrostatisch

D1D1' symmetr.

D2D2' symmetr.

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|              |                |          |
|--------------|----------------|----------|
| Capacitances | Cg             | = 9,0 pF |
| Capacités    | CD1            | = 4,4 pF |
| Kapazitäten  | CD1'           | = 4,4 pF |
|              | CD2            | = 5,0 pF |
|              | CD2'           | = 5,4 pF |
|              | CD1D1'         | = 0,6 pF |
|              | CD2D2'         | = 0,6 pF |
|              | CD1D1' - D2D2' | = 0,1 pF |

|              |       |                 |       |
|--------------|-------|-----------------|-------|
| Net weight   |       | Shipping weight |       |
| Poids net    | 140 g | Poids brut      | 700 g |
| Nettogewicht |       | Bruttogewicht   |       |

|                       |              |                      |
|-----------------------|--------------|----------------------|
| Line width            | (Va2=800 V ) |                      |
| Épaisseur de la ligne | (If =0,5 µA) | 0,7 mm <sup>1)</sup> |
| Linienbreite          |              |                      |

Operating conditions  
Caractéristiques d'utilisation  
Betriebsdaten

|     |   |             |
|-----|---|-------------|
| Va2 | = | 800 V       |
| Va1 | = | 200 - 300 V |
| -Vg | = | 0 - 50 V    |
| N1  | = | 0,26 mm/V   |
| N2  | = | 0,16 mm/V   |

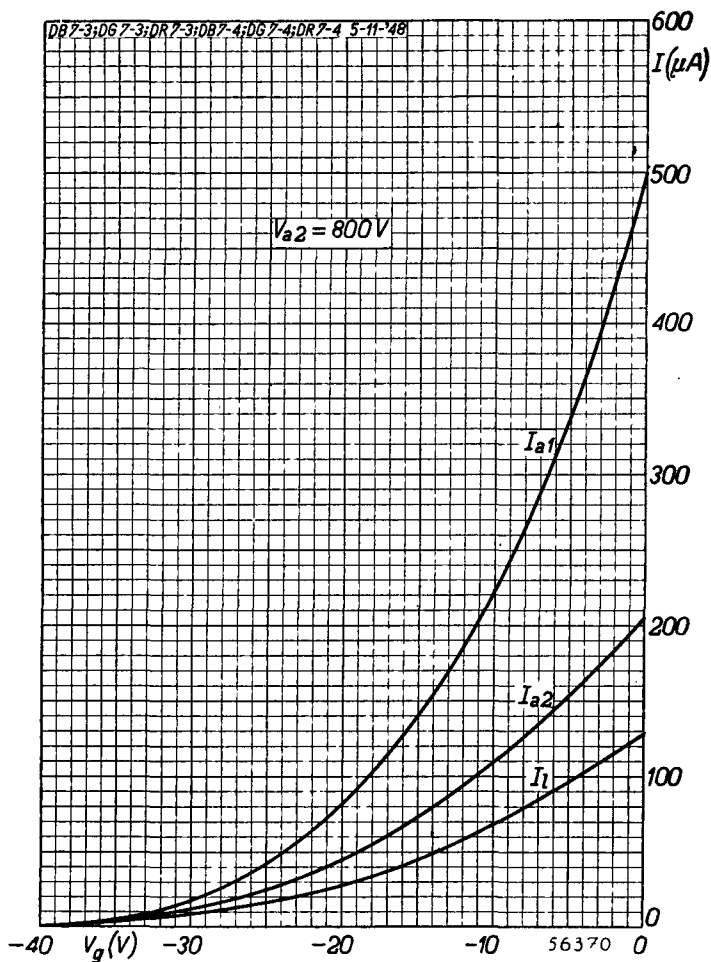
Limiting values  
Caractéristiques limites  
Grenzdaten

|                     |   |                           |
|---------------------|---|---------------------------|
| Va2                 | = | max. 1000 V               |
|                     |   | min. 800 V                |
| Va1                 | = | max. 400 V                |
| Vg                  | = | max. 0 V                  |
| -Vg                 | = | max. 100 V                |
| VD1D1' <sub>p</sub> | = | max. 450 V                |
| VD2D2' <sub>p</sub> | = | max. 750 V                |
| Wl                  | = | max. 3 mW/cm <sup>2</sup> |
| RD                  | = | max. 5 MΩ                 |
| Rg                  | = | max. 0,5 MΩ               |

<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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DG 7-3  
DN 7-3  
DR 7-3





**DB7-3 DG7-3 DN7-3 DR7-3**

| <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           | FP           | 2000.09.24  |